OSCAR®

The lubricant professionals

Product Catalogue

Oscar Lubricants in Brief

Oscar Lubricants was established in 1998 with the primary focus of manufacturing and marketing of specialty lubricants, hydraulic brake fluids and automotive radiator coolants.

In 2005 the company started production of automotive, industrial and marine lubricants.

In 2010 we operated the first extension by doubling the plant plot area and adding more blending capacity.

In 2015 we inaugurated the first State of the Art lube oil blending plant implementing the latest technologies and enjoying international standards.

Today, we are housed in 17,000 square meters including covered warehouses of 13,000 square meters and laboratory areas of 500 square meters with an accommodation facility for 100 employees.

Our primary location has easy access to various ports in the UAE, enabling us to ship goods on urgent basis to various countries in the region.

The strength of Oscar Lubricants is its dedicated personnel to service our customers/partners round the clock, financial stability, product inventory and prompt delivery.

The plant is based in Ajman, while the Company Head Quarters is located in Business Bay, Dubai, United Arab Emirates, Oscar Lubricants is an ISO 9001:2015 certified company.



Technological Research Center The most comprehensive in the Middle East

With more than forty sophisticated laboratory instruments and highly motivated and specialized personnel, Oscar Lubricants laboratories are one of the best and most comprehensive research centers of the Middle East, implementing ASTM and other reputed international standards to carry tests on both ingoing and outgoing products; from base oils, to lubricating oil additives, to lubricants.

In 2015 we incorporated the R&D Centre under the legal and separate entity: Kimya Testing Laboratories (KTL). The company is under ISO 17025 Laboratory Competence Accreditation Process.



Why we recommend Oscar Lubricants

The transport industry is vital to modern society. Lubricants contribute by prolonging the life of vehicles by cleaning, cooling and protecting their engines.

During the last two decades, we have experienced an increase of engine performance, operating temperatures, fuel efficiency and environmental awareness. At the same time, we witnessed a demand of reduction in particle emission, friction, fuel consumption and operating cost.

Oscar Lubricants faces the challenge by delivering outstanding protection and engine life durability with a permanent respect of the environment. Our product portfolio is well designed to cover the increasing demand of modern vehicles.

Oscar Lubricants has consistently improved the performance of its passenger car and heavy duty lubricants through the development of our own unique type of synthetic base oil technology combined with innovative additive packages. We created a full range of lubricants that meet and exceed API performance levels, fulfill dedicated OEM approvals and answer the customer's needs.







Our Vision

Oscar Lubricants aims to play a key role in the Middle East in the development of high quality oil lubricant products portfolio with an adherence and respect to the green economy of the United Arab Emirates and the environment through employee training and the application of social and professional ethics.

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OSCAR®
The lubricant professionals

APPROVED OEM APPROVED

Oscar Lubricants are manufactured exclusively as per international standards and are approved by:

SAE INTERNATIONAL
Society of Automotive Engineers

ILSAC
International Lubricants Standardzation and Approval Commitee

JASO
Japanese Automotive Standards Organization

API
American Petroleum Institute

acea
DRIVING MOBILITY FOR EUROPE
Eropean Automotive Manufactuers Association

Emirates Authority For Standardization & Metrology





Please visit our website www.oscarlubricants.com for the certificates and more information.

OSCAR®
The lubricant professionals



THE LUBRICANT PROFESSIONALS™



OSCAR Jade PRO

Oscar Jade Pro 0W20 is a very high performance, ultra-low viscosity Fluid, fully synthetic lubricant for gasoline and hybridengines, including the ones complying with ACEA C5 standard. Oscar Jade Pro 0W20 is formulated to helps to increase engine efficiency and improve fuel economy benefits, while providing outstanding overall engine protection.This product meets or exceeds the requirements of the latest ACEA industry specifications for petrol and hybrid engine oils, as well as the requirements of many major Europeans engine manufacturers. Suitable for use in passenger cars.

Specifications : ACEA C5; API SP and RC; API SN Plus and RC;ILSAC GF-6A & GF-5; BMW LL17FE+ (BMW LL14FE+ backward compatible); MB 229.71;VW 508.00/509.00; Porsche C20; RN17FE; Volvo VCC RBS0-2AE 0W-20; Opel Vauxhall OV0401547; Ford WSS-M2C947-B1; Ford WSS-M2C962-A1; Jaguar STJLR.03.5006-16; Jaguar STJLR.51.5122; Land Rover STJLR.51.5122; Fiat 9.55535-GSX; Chrysler MS-12145

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.837
Viscosity @ 100°C, cSt	ASTM D445	8.1
Viscosity @ 40°C, cSt	ASTM D445	40
Viscosity Index	ASTM D2270	183
Cold Crank Simulator, cP	ASTM D5293	6,200 @ -35 °C
HTHS Viscosity 150°C, mPa.s	—	2.70
Pour Point, °C	ASTM D97	-45
Flash Point, °C	ASTM D92	230
Total Base Number (TBN), KOH/g	ASTM D2896	8

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



OSCAR Jade ZERO

Oscar Jase Zero 0W16 is a very high performance, ultra-low viscosity Fluid, fully synthetic lubricant for gasoline and hybridengines, including the ones complying twith ILSAC GF-6B standard. Oscar Jade Zero 0W16 is formulated to helps to increase engine efficiency and improve fuel economy benefits, while providing outstanding overall engine protection.This product meets or exceeds the requirements of the latest API and ILSAC industry specifications for petrol and hybrid engine oils, as well as the requirements of many major American engine manufacturers. Suitable for use in passenger cars.

Specifications : API SP and RC; API SN and RC; API SN Plus and RC; ILSAC GF-6B; GM dexos1™ Gen 2

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.838
Viscosity @ 100°C, cSt	ASTM D445	7.2
Cold Crank Simulator, cP	ASTM D5293	6,200 @ -35 °C
HTHS Viscosity 150°C, mPa.s	—	2.70
Pour Point, °C	ASTM D97	-50
Flash Point, °C	ASTM D92	230
Total Base Number (TBN), KOH/g	ASTM D2896	8

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Jade Pro SAE 5W30 ACEA C4

Meets and exceeds: ACEA C4, C3, Renault RN0720, MB 229.31, 229.51, 226.51, Fiat 9.55535-S4

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.850
Viscosity @ 100°C, cSt	ASTM D445	11.8
Viscosity @ 40°C, cSt	ASTM D445	67
Viscosity Index	ASTM D2270	165
Cold Crank Simulator, cP	ASTM D5293	5,800 @ -30 °C
HTHS Viscosity 150°C, mPa.s	—	2.70
Pour Point, °C	ASTM D97	-35
Flash Point, °C	ASTM D92	230
Total Base Number (TBN), KOH/g	ASTM D2896	7

EXCLUSIVE NANO TECHNOLOGY PROTECTION · FULLY SYNTHETIC · LOW EMMISION · GPF/DPF PROTECTION

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Jade Optimum SAE 0W30 ACEA C2/C3

Meets and exceeds: ACEA C2/C3; API SP; API SN; API SN Plus; MB 229.31/229.51/229.52; BMW LL04; dexos 2; Renault RN0700; Renault RN0710; VW 504.00/507.00; Porsche C30; PSA B71 2390-2014; PSA B71 2312-2017; Fiat 9.55535-DS1; Fiat 9.55535-GS1

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.846
Viscosity @ 100°C, cSt	ASTM D445	12.2
Viscosity @ 40°C, cSt	ASTM D445	67.8
Viscosity Index	ASTM D2270	165
Cold Crank Simulator, cP	ASTM D5293	6,200 @ -35 °C
HTHS Viscosity 150°C, mPa.s	—	3.50
Pour Point, °C	ASTM D97	-45
Flash Point, °C	ASTM D92	250
Total Base Number (TBN), KOH/g	ASTM D2896	8

GENUINE SYNTHETIC PAO FORMULATED · API SERVICE SP SAE 0W-30 RESOURCE CONSERVING SN PLUS · LOW EMMISION · GPF/DPF PROTECTION

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Jade Optimum SAE 5W30 ACEA C2/C3

Meets and exceeds: ACEA C2/C3; API SP; API SN; API SN Plus; MB 229.31/229.51/229.52 (approval) ; BMW LL04; dexos 2; Renault RN0700; Renault RN0710; RN17 level; VW 504.00/507.00 (approval); Porsche C30; Fiat 9.55535-S3; Ford WSS-M2C917-A; PSA B71 2290; PSA B71 2297;

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.850
Viscosity @ 100°C, cSt	ASTM D445	12.1
Viscosity @ 40°C, cSt	ASTM D445	72.8
Viscosity Index	ASTM D2270	164
Cold Crank Simulator, cP	ASTM D5293	6,600 @ -30 °C
HTHS Viscosity 150°C, mPa.s	—	3.58
Pour Point, °C	ASTM D97	-45
Flash Point, °C	ASTM D92	254
Total Base Number (TBN), KOH/g	ASTM D2896	8

EXCLUSIVE NANO TECHNOLOGY PROTECTION · API SERVICE SP SAE 5W-30 RESOURCE CONSERVING SN PLUS · LOW EMMISION · GPF/DPF PROTECTION

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Jade Optimum SAE 5W40 ACEA C3

Meets and exceeds: ACEA C3 (A3/B4 backward compatible); API SP; API SN; API SN Plus; MB 229.31/229.51; BMW LL04; dexos 2; Porsche A40; Renault RN0700; Renault RN0710; VW 502.00/505.00; Fiat 9.55535-S2; Ford WSS-M2C917-A; PSA B71 2296

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.855
Viscosity @ 100°C, cSt	ASTM D445	14.5
Viscosity @ 40°C, cSt	ASTM D445	90
Viscosity Index	ASTM D2270	170
Cold Crank Simulator, cP	ASTM D5293	<6,600 @ -30 °C
HTHS Viscosity 150°C, mPa.s	—	3.50
Pour Point, °C	ASTM D97	-39
Flash Point, °C	ASTM D92	230
Total Base Number (TBN), KOH/g	ASTM D2896	8

EXCLUSIVE NANO TECHNOLOGY PROTECTION · API SERVICE SP SAE 5W-40 RESOURCE CONSERVING SN PLUS · LOW EMMISION · GPF/DPF PROTECTION

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Jade Gold Plus SAE 0W40 SN Plus ACEA A3/B4

Meets and exceeds: ACEA A3/B4; API SN PLUS; MB 229.3/229.5; BMW LL01; Porsche A40; VW 502.00/505.00; PSA B71 2296; Renault RN0700; Renault RN0710

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.847
Viscosity @ 100°C, cSt	ASTM D445	13
Viscosity @ 40°C, cSt	ASTM D445	75
Viscosity Index	ASTM D2270	176
Cold Crank Simulator, cP	ASTM D5293	<6,200 @ -35 °C
Pour Point, °C	ASTM D97	-45
Flash Point, °C	ASTM D92	>230
Total Base Number (TBN), KOH/g	ASTM D2896	9

GENUINE PAO FORMULATED SYNTHETIC · API SERVICE SN RESOURCE CONSERVING SAE 0W-40 SN PLUS · LONG LIFE · FULLY SYNTHETIC

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Jade Gold Plus SAE 5W40 SN Plus ACEA A3/B4

Meets and exceeds: ACEA A3/B4; API SN PLUS; MB 229.3/229.5; BMW LL01; Porsche A40; VW 502.00/505.00; PSA B71 2296; Renault RN0700; Renault RN0710

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.855
Viscosity @ 100°C, cSt	ASTM D445	14.5
Viscosity @ 40°C, cSt	ASTM D445	90
Viscosity Index	ASTM D2270	≥165
Cold Crank Simulator, cP	ASTM D5293	<6,600 @ -30 °C
Pour Point, °C	ASTM D97	-36
Flash Point, °C	ASTM D92	>230
Total Base Number (TBN), KOH/g	ASTM D2896	9

EXCLUSIVE NANO TECHNOLOGY PROTECTION · API SERVICE SN RESOURCE CONSERVING SAE 5W-40 SN PLUS · LONG LIFE · FULLY SYNTHETIC

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Jade Gold Plus SAE 5W30 SP ILSAC-GF-6A

Meets and exceeds: API SP and RC; API SN and RC; API SN Plus and RC; API SN/CF; ILSAC GF-5; ILSAC GF-6A; GM dexos1™ Gen 2; ACEA A1/B1; A5/B5

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.854
Viscosity @ 100°C, cSt	ASTM D445	10.5
Viscosity @ 40°C, cSt	ASTM D445	60
Viscosity Index	ASTM D2270	≥150
Cold Crank Simulator, cP	ASTM D5293	<6,600 @ -30 °C
Pour Point, °C	ASTM D97	-36
Flash Point, °C	ASTM D92	>230
Total Base Number (TBN), KOH/g	ASTM D2896	9

FOR GASOLINE ENGINES CERTIFIED · API SERVICE SP RESOURCE CONSERVING SAE 5W-30 SN PLUS · EXCLUSIVE NANO TECHNOLOGY PROTECTION · LSPI PROTECTION

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Jade Gold Plus SAE 0W20 SP ILSAC-GF-6A

Meets and exceeds: API SP and RC; API SN and RC; API SN Plus and RC; ILSAC GF-5; ILSAC GF-6A; Ford WSS-M2C947-A; Ford WSS-M2C947-B1; FORD WSS-M2C962-A1; GM 6094M; GM dexos1™ Gen 2; ACEA A1/B1

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.850
Viscosity @ 100°C, cSt	ASTM D445	7.5
Viscosity @ 40°C, cSt	ASTM D445	40
Viscosity Index	ASTM D2270	158
Cold Crank Simulator, cP	ASTM D5293	<6,200 @ -35°C
Pour Point, °C	ASTM D97	-45
Flash Point, °C	ASTM D92	>230
Total Base Number (TBN), KOH/g	ASTM D2896	9

FOR GASOLINE ENGINES CERTIFIED · API SERVICE SP RESOURCE CONSERVING SAE 0W-20 SN PLUS · EXCLUSIVE NANO TECHNOLOGY PROTECTION · LSPI PROTECTION

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk

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OSCAR LABELLING EXPLAINED



API SP

API stands for American Petroleum institute, the body in charge of oil performance and quality standards in the US. Like the ACEA standards it includes specifications for both spark ('S') petrol engines and compression ('C') diesel engines. SN is the latest specification for petrol engines, introduced in 2010. Diesel classifications are more complex. The CJ4- specification, introduced in 2006, is designed for modern emission control and particulate filter systems.

PETROL — A
- **A1** Fuel economy petrol
- **A2** Standard performance level
- **A3** High performance and/or extended drain
- **A5** Fuel economy petrol with extended drain capability

DIESEL — B
- **B1** Fuel economy petrol
- **B2** Standard performance level
- **B3** High performance and/or extended drain
- **B4** Fuel economy petrol with extended drain capability
- **B5** Fuel economy petrol with extended drain capability

PETROL & DIESEL — C

Diesel vehicles with diesel particular filter (DPF)
- **C1** Low SAPS (%0.5 ash) fuel efficient
- **C2** Mid SAPS (%0.8 ash) fuel efficient, performance
- **C3** Mid SAPS (%0.8 ash)

DIESEL — E

Heavy - duty diesel
- **E1** Non-turbo charged light duty diesel
- **E2** Standard performance level
- **E3** High performance and extended drain
- **E5** High performance and extended drain including some API specs
- **E6** Euro 4 engines - low SAPS (sulphated ash, phosphorous, sulphur) for vehicles with DPF
- **E7** Euro 4 engines - exhaust after treatment / exhaust gas recirculation

ACEA C2/C3

The Association des Contructeurs Européens d'Automobiles is in charge of oil performance and quality standards in the EU. C2/C3 is a common oil specification for petrol and diesel engines. Here's the full list:

MANUFACTURES OEM CODES

Some manufactures quote OEM approval codes to help consumers buy oil of the right type and quality of their vehicle, notably German Makers BMW and VW. If your vehicle has an OEM approval code, look for it when you buy oils for example:

BMW LL04-
PSA B71 2132
VW501.01-505.00
RENAULT RN0700
FORD M2C917 - A
FIAT 9.55535 +S2

5W30

In order to protect the engine components when is car both hot and cold, engine oil has to meet viscosity specifications across a range of temperature. 'Viscosity' is the oil's 'pourability' or 'thickness'. This viscosity is measured and given an SAE 'grade'. Ordinary single-grade oil becomes so viscous (thick) at lower temperatures that it would take too long to reach movings parts in a cold engine and would not process easily through small gaps and oil ways. This is why all modern engine oils use VIs - Viscosity Enhancers - to improve thier viscosity at lower temperatures. These 'multigrade' oils get a regular viscosity test at 100 degrees Centigrade, and a second low-temperature 'winter' (W) test. Multigrade oils quote the 'W' (winter) figure first and the higher-temperature figure seconds. The lower the 'W' number the 'runnier' the oil is at low temperatures and the better the protection it offers. the higher the second figure, the thicker the oil is at high temperatures, which can be good for older engines

New engines are built with very fine manufacturing tolerances which demand a low-viscosity oil. These oils are often more expensive synthetic types.

Engine in older cars, or those with higher mileages, have lower operating tolerances and may benefit from a 'thicker' oil

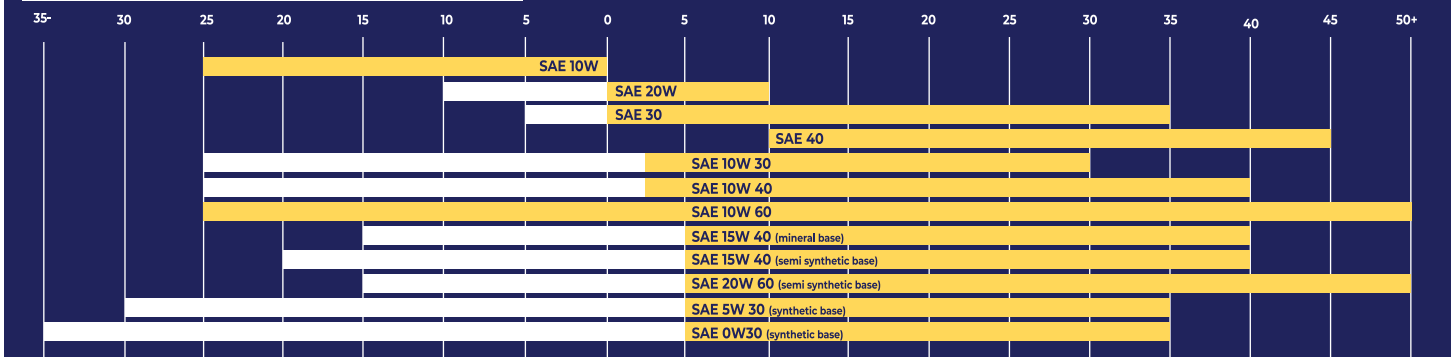
MINERAL

Mineral' oil sounds like it should be synthetic too (minerals aren't organic, after all), but the names comes from the way it's extracted from the earth like other mineral deposits. It's 'cruder' than synthetic oil, but also a lot cheaper to manufacturer, and it can still provide perfectly adequate protection for less demanding engines

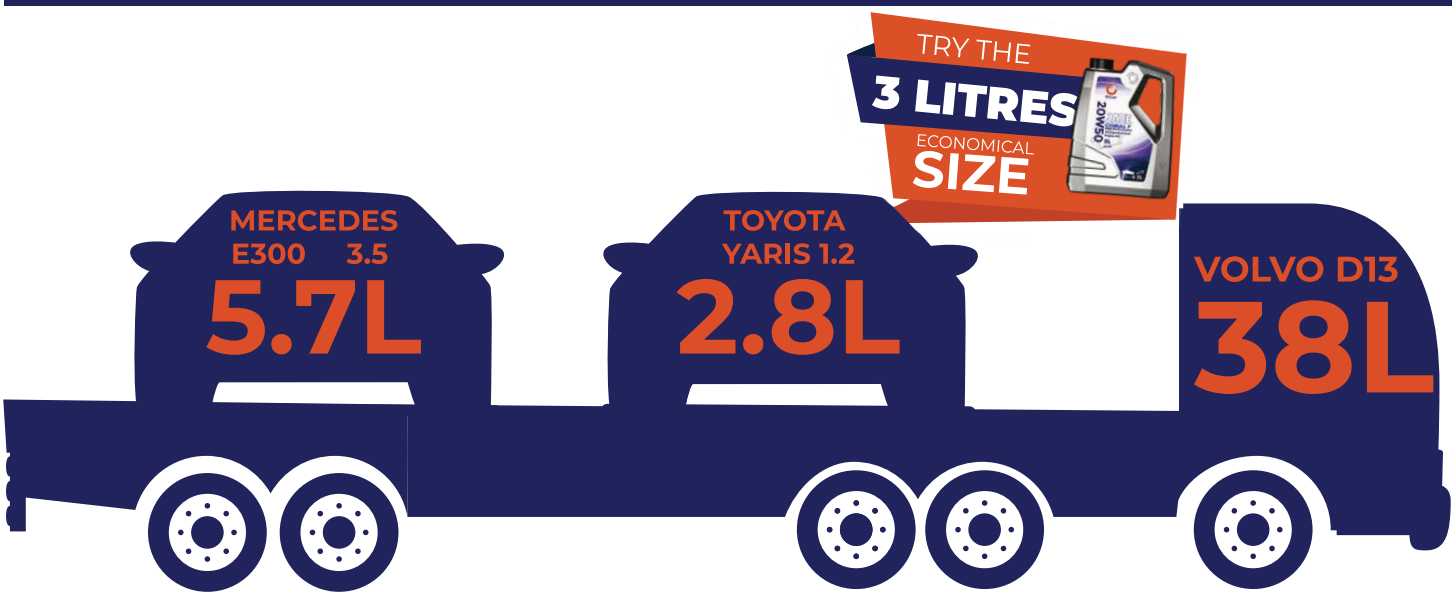
SYNTHETIC

Synthetic' motor oil is the pinnacle of engine lubricantion for high performance vehicles. Despite the name, though, synthetic oil is still derived from the thick black stuff ejected by oil wells. the difference is that its molecular structure and properties are modified, refined and 'synthesised' using complex laboratory

SAE GRADES ARE SOMETIMES RELATED TO OUTSIDE TEMPERATURE



OIL SUMP CAPACITY FOR DIFFERENT VEHICLES IN LITRES





Oscar Jade Gold Plus SAE 5W20 SP, SN, CF ILSAC-GF-6A

Meets and exceeds: API SP and RC; API SN and RC; API SN Plus and RC; ILSAC GF-5; ILSAC GF-6A; Ford WSS-M2C945-A; Ford WSSM2C945-B1; Ford WSS-M2C960-A1; Ford WSS-M2C930-A; GM 6094M; Chrysler MS-6395; GM dexos1™ Gen 2; ACEA A1/B1

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.850
Viscosity @ 100°C, cSt	ASTM D445	6.5
Viscosity @ 40°C, cSt	ASTM D445	36
Viscosity Index	ASTM D2270	≥140
Cold Crank Simulator, cP	ASTM D5293	<6,600 @ -30 °C
Pour Point, °C	ASTM D97	-36
Flash Point, °C	ASTM D92	>230
Total Base Number (TBN), KOH/g	ASTM D2896	9

FOR GASOLINE ENGINES CERTIFIED · API SERVICE SP SAE 5W-20 RESOURCE CONSERVING SN PLUS

EXCLUSIVE NANO TECHNOLOGY PROTECTION · LSPI PROTECTION

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Jade Pur 10W30 SN PLUS ACEA A1/B1

Meets and exceeds: API SN PLUS; ACEA A1/B1

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.870
Viscosity @ 100°C, cSt	ASTM D445	10.5
Viscosity @ 40°C, cSt	ASTM D445	69
Viscosity Index	ASTM D2270	143
Cold Crank Simulator, cP	ASTM D5293	<7,000 @ -25 °C
Pour Point, °C	ASTM D97	-33
Flash Point, °C	ASTM D92	>230
Total Base Number (TBN), KOH/g	ASTM D2896	9

EXCLUSIVE NANO TECHNOLOGY PROTECTION · FUEL ECONOMY · SYNTHETIC TECHNOLOGY

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Jade Pur 10W40 SN PLUS ACEA A3/B4

Meets and exceeds: API SN PLUS; ACEA A3/B4

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.874
Viscosity @ 100°C, cSt	ASTM D445	14.5
Viscosity @ 40°C, cSt	ASTM D445	97
Viscosity Index	ASTM D2270	160
Cold Crank Simulator, cP	ASTM D5293	<7,000 @ -25 °C
Pour Point, °C	ASTM D97	-25
Flash Point, °C	ASTM D92	230
Total Base Number (TBN), KOH/g	ASTM D2896	10

EXCLUSIVE NANO TECHNOLOGY PROTECTION · FUEL ECONOMY · SYNTHETIC TECHNOLOGY

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Jade Cobalt 10W30 SL/CF

Meets and exceeds: API SL / CF; ACEA A1/B1

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.870
Viscosity @ 100°C, cSt	ASTM D445	11.5
Viscosity @ 40°C, cSt	ASTM D445	76
Viscosity Index	ASTM D2270	140
Cold Crank Simulator, cP	ASTM D5293	<7,000 @ -25 °C
Pour Point, °C	ASTM D97	-30
Flash Point, °C	ASTM D92	220
Total Base Number (TBN), KOH/g	ASTM D2896	10

API SERVICE SL SAE 10W-30

SYNTHETIC TECHNOLOGY

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



OscarJade Cobalt 10W40 SL/CF

Meets and exceeds: API SL / CF; ACEA A3/B4

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.874
Viscosity @ 100°C, cSt	ASTM D445	14.5
Viscosity @ 40°C, cSt	ASTM D445	97
Viscosity Index	ASTM D2270	160
Cold Crank Simulator, cP	ASTM D5293	<7,000 @ -25 °C
Pour Point, °C	ASTM D97	-25
Flash Point, °C	ASTM D92	230
Total Base Number (TBN), KOH/g	ASTM D2896	10

API SERVICE SL SAE 10W-40

SYNTHETIC TECHNOLOGY

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Jade Cobalt 15W40 SL/CF

Meets and exceeds: API SL / CF; ACEA A1/B1

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.889
Viscosity @ 100°C, cSt	ASTM D445	15.8
Viscosity @ 40°C, cSt	ASTM D445	122
Viscosity Index	ASTM D2270	135
Cold Crank Simulator, cP	ASTM D5293	<7,000 @ -20 °C
Pour Point, °C	ASTM D97	-27
Flash Point, °C	ASTM D92	230
Total Base Number (TBN), KOH/g	ASTM D2896	10

API SERVICE SL SAE 15W-40

SYNTHETIC TECHNOLOGY

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Jade Cobalt 20W50 SL/CF

Meets and exceeds: API SL / CF; ACEA A1/B4

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.890
Viscosity @ 100°C, cSt	ASTM D445	18.8
Viscosity @ 40°C, cSt	ASTM D445	160
Viscosity Index	ASTM D2270	132
Cold Crank Simulator, cP	ASTM D5293	<9,500 @ -15 °C
Pour Point, °C	ASTM D97	-27
Flash Point, °C	ASTM D92	235
Total Base Number (TBN), KOH/g	ASTM D2896	10

API SERVICE SL SAE 20W-40

SYNTHETIC TECHNOLOGY

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Jade HD 20W40 API SJ (Recommended for Tuk Tuk)

Meets and exceeds: API SJ; ACEA A1/B1

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.885
Viscosity @ 100°C, cSt	ASTM D445	15.3
Viscosity @ 40°C, cSt	ASTM D445	136
Viscosity Index	ASTM D2270	120
Cold Crank Simulator, cP	ASTM D5293	<9500 @ -15 °C
Pour Point, °C	ASTM D97	-24
Flash Point, °C	ASTM D92	220
Total Base Number (TBN), KOH/g	ASTM D2896	8

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Jade HD 20W50 API SF

Meets and exceeds: API SJ; ACEA A1/B1

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.890
Viscosity @ 100°C, cSt	ASTM D445	17.8
Viscosity @ 40°C, cSt	ASTM D445	144
Viscosity Index	ASTM D2270	136
Cold Crank Simulator, cP	ASTM D5293	<9,500 @ -15 °C
Pour Point, °C	ASTM D97	-24
Flash Point, °C	ASTM D92	220
Total Base Number (TBN), KOH/g	ASTM D2896	8

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Jade HD SAE 40 API SF

Meets and exceeds: API SF; ACEA A1/B1

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.895
Viscosity @ 100°C, cSt	ASTM D445	15.6
Viscosity @ 40°C, cSt	ASTM D445	157.4
Viscosity Index	ASTM D2270	95
Pour Point, °C	ASTM D97	-18
Flash Point, °C	ASTM D92	235
Total Base Number (TBN), KOH/g	ASTM D2896	8

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Jade HD SAE 50 API SF

Meets and exceeds: API SJ; ACEA A1/B1

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.898
Viscosity @ 100°C, cSt	ASTM D445	20.5
Viscosity @ 40°C, cSt	ASTM D445	204.3
Viscosity Index	ASTM D2270	95
Pour Point, °C	ASTM D97	-15
Flash Point, °C	ASTM D92	248
Total Base Number (TBN), KOH/g	ASTM D2896	8

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk

OSCAR PRODUCTS USE EXPLAINED

OSCAR®
The lubricant professionals

Engine Oil



Oscar Jade® Pro
SAE 0W20, 5W30
API SP | ACEA C4

Oscar Jade® Zero
SAE 0W16
API SP

Oscar Jade® Optimum
SAE 0W30, 5W30, 5W40
API SN PLUS

Oscar Jade® Gold
SAE 0W40, 5W40 / 5W30-0W20, 5W20
API SN PLUS | API SP

Oscar Jade® Pur
SAE 10W30-10W40
API SN PLUS

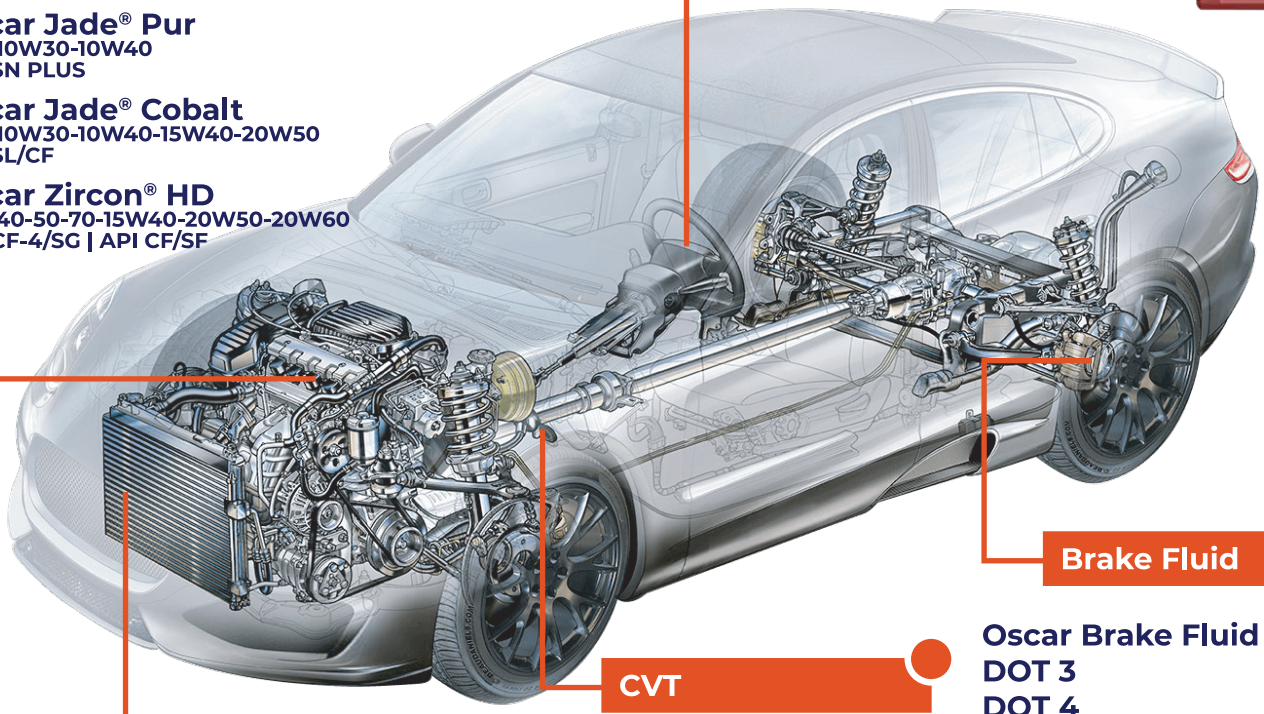
Oscar Jade® Cobalt
SAE 10W30-10W40-15W40-20W50
API SL/CF

Oscar Zircon® HD
SAE 40-50-70-15W40-20W50-20W60
API CF-4/SG | API CF/SF

ATF

Oscar ATF III
Fully Synthetic





Brake Fluid

Oscar Brake Fluid
DOT 3
DOT 4
DOT 4 LV
DOT 5.1



CVT

Oscar CVT
Fully Synthetic



Coolant

Oscar Coolcar® 50%
Oscar Coolcar® 33%



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The lubricant professionals



TRUST THE PROFESSIONALS

OSCAR PRODUCTS USE EXPLAINED

OSCAR®
The lubricant professionals

Engine Oil



Oscar Zircon® Novus
SAE 5W30-10W30-10W40
API CK-4, CK-4/SN

Oscar Zircon® Starlight XT
SAE 10W30-10W40-15W40
API CJ-4

Oscar Zircon® Starlight
SAE 10W40-15W40
API Ci-4, CI-4/SL

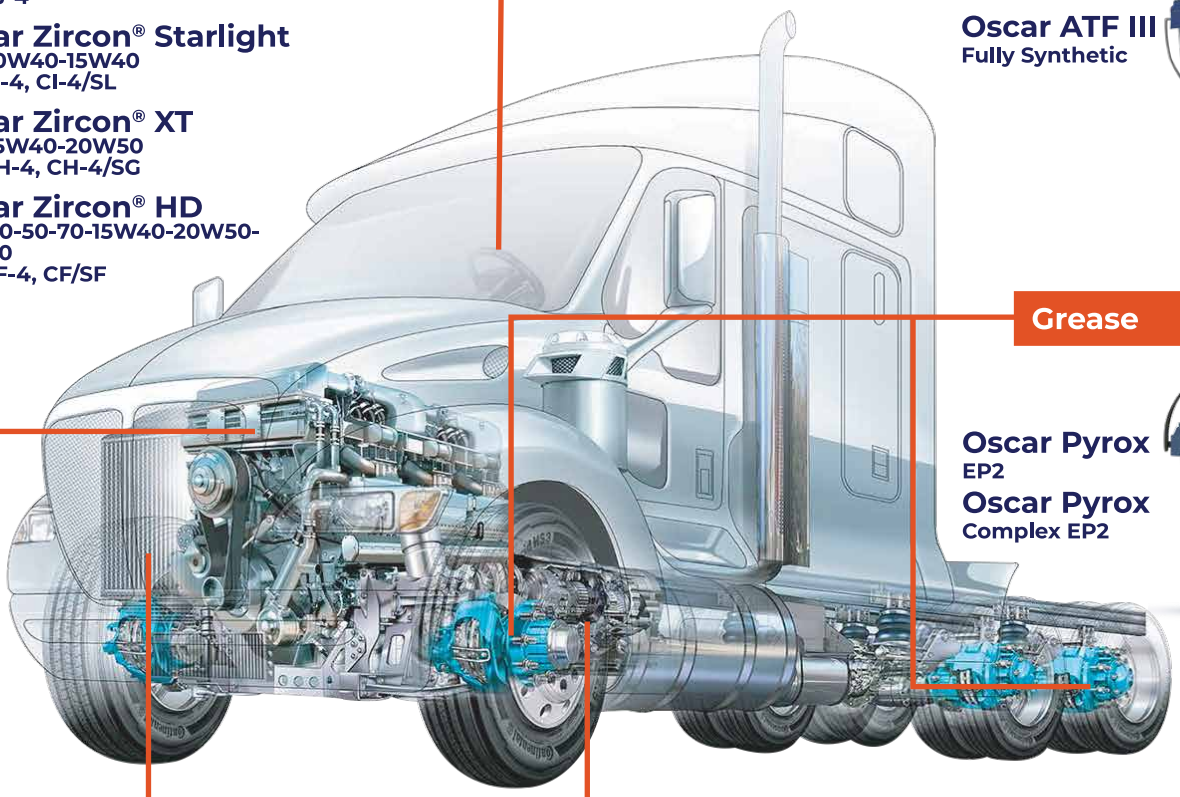
Oscar Zircon® XT
SAE 15W40-20W50
API CH-4, CH-4/SG

Oscar Zircon® HD
SAE 40-50-70-15W40-20W50-20W60
API CF-4, CF/SF

ATF

Oscar ATF III
Fully Synthetic





Grease

Oscar Pyrox
EP2

Oscar Pyrox
Complex EP2



Gear Oil

Oscar MTF
SAE 85W90-85W140
API GL-5



Coolant

Oscar Coolcar® 50%
Oscar Coolcar® 33%



FOR LATEST GENERATION ENGINES



API SERVICE CK-4 / SN SAE 10W-30 CI-4 PLUS

LOW EMMISSION

LONG LIFE

API CK- 4
DIRECT REPLACEMENT
FOR YOUR CURRENT OIL

Oscar Zircon *NOVUS*

Oscar Zircon Novus CK-4 is an advanced fully synthetic heavy-duty diesel engine oil that helps extend engine life while providing long drain capability and potential fuel economy for modern diesel engines operating in severe applications. This product is formulated to deliver exceptional performance in modern and older hard-working engines. Oscar Zircon Novus is formulated to reduce pollutant emissions, such as HC, NOx, CO and particles and to protect and ensure longevity of post treatment anti-pollution systems, such as particulate filters (GPF, DPF) and three-way catalysts.

Oscar Zircon Novus CK-4 oils replace CJ-4 oils with the same viscosity grades and oil types (mineral / semi - synthetic / full-synthetic) and are backwards compatible down to CF-4 oils.

This product meets or exceeds the requirements of the latest API and ACEA industry specifcations for diesel engine oils, as well as the requirements of many major American, and European engine manufacturers.

Available in SAE viscosity grades : 5W30, 10W30, 10W40 and 15W40.

Specifications : API CK-4/SN, CJ-4/CI-4; ACEA E6-12, E7-12, E9-12; MB 228.51, 228.31; MAN M3477, M3677; MTU Type 3.1; VOLVO VDS-4.5, VDS-4; Mack EO-O Premium Plus; Renault Trucks RLD-3; Cummins CES 20081, 20086; Caterpillar ECF-3; DEUTZ DQC III-IV LA; DDC 93K218, 93K222



GENUINE PAO FORMULATED SYNTHETIC

LOW EMMISSION

LONG LIFE

API FA- 4
LIMITED COMPATIBILITY,
CHECK MANUAL FOR
RECOMMENDED OIL.

OSCAR ZIRCON *NOVUS FE*

Oscar Zircon Novus FA-4 is an advanced fully synthetic heavy-duty diesel engine oil. It is lower in viscosity grades to help maximize fuel economy without compromising durability for next generation engines. However, Oscar Zircon Novus FE FA-4 is limited in backwards compatibility. Designed to provide optimized fuel economy for 2017 engines and beyond that are designed to capitalize on these improvements.

This product meets or exceeds the requirements of the latest API and ACEA industry specifications for diesel engine oils, as well as the requirements of many major American, and European engine manufacturers.

Available in SAE viscosity grades : 5W30 and 10W30

Specifications : API FA-4 ; CES 20087 ; DDC 93K223



Oscar Zircon Novus FE SAE 5W30 API-FA4

Meets and exceeds: API CK-4/SN, CJ-4/CI-4; ACEA E6-12, E7-12, E9-12; MB 228.51, 228.31; MAN M3477, M3677; MTU Type 3.1; VOLVO VDS-4.5, VDS-4; Mack EO-O Premium Plus; Renault Trucks RLD-3; Cummins CES 20081, 20086; Caterpillar ECF-3; DEUTZ DQC III-IV LA; DDC 93K218, 93K222

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.855
Viscosity @ 100°C, cSt	ASTM D445	10.5
Viscosity @ 40°C, cSt	ASTM D445	60
Viscosity Index	ASTM D2270	150
Cold Crank Simulator, cP	ASTM D5293	<6,600 @ -30 °C
Pour Point, °C	ASTM D97	-40
Flash Point, °C	ASTM D92	230
Total Base Number (TBN), KOH/g	ASTM D2896	10

GENUINE PAO FORMULATED SYNTHETIC · LONG LIFE · LOW EMMISSION · FUEL ECONOMY

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Zircon Novus SAE 10W30 API CK-4/SN, ACEA E9

Meets and exceeds: API CK-4/SN, CJ-4/CI-4; ACEA E6-12, E7-12, E9-12; MB 228.51, 228.31; MAN M3477, M3677; MTU Type 3.1; VOLVO VDS-4.5, VDS-4; Mack EO-O Premium Plus; Renault Trucks RLD-3; Cummins CES 20081, 20086; Caterpillar ECF-3; DEUTZ DQC III-IV LA; DDC 93K218, 93K222

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.855
Viscosity @ 100°C, cSt	ASTM D445	10.5
Viscosity @ 40°C, cSt	ASTM D445	60
Viscosity Index	ASTM D2270	150
Cold Crank Simulator, cP	ASTM D5293	<7,000 @ -25 °C
Pour Point, °C	ASTM D97	-40
Flash Point, °C	ASTM D92	230
Total Base Number (TBN), KOH/g	ASTM D2896	10

API SERVICE CK-4 / SN · SAE 10W-30 · CI-4 PLUS · FULLY SYNTHETIC · LOW EMMISSION · FUEL ECONOMY

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Zircon Novus SAE 10W40 API CK-4/SN, ACEA E9

Meets and exceeds: API SL / CF; ACEA A1/B1

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.855
Viscosity @ 100°C, cSt	ASTM D445	12
Viscosity @ 40°C, cSt	ASTM D445	68.5
Viscosity Index	ASTM D2270	165
Cold Crank Simulator, cP	ASTM D5293	<7,000 @ -25 °C
Pour Point, °C	ASTM D97	-40
Flash Point, °C	ASTM D92	230
Total Base Number (TBN), KOH/g	ASTM D2896	10

API SERVICE CK-4 / SN · SAE 10W-40 · CI-4 PLUS · FULLY SYNTHETIC · LOW EMMISSION · FUEL ECONOMY

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Zircon Novus SAE SAE 15W40 API CK-4/SN, ACEA E9

Meets and exceeds: API CK-4/SN, CJ-4/CI-4; ACEA E6-12, E7-12, E9-12;

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.875
Viscosity @ 100°C, cSt	ASTM D445	15
Viscosity @ 40°C, cSt	ASTM D445	120
Viscosity Index	ASTM D2270	140
Cold Crank Simulator, cP	ASTM D5293	<7,000 @ -20 °C
Pour Point, °C	ASTM D97	-35
Flash Point, °C	ASTM D92	230
Total Base Number (TBN), KOH/g	ASTM D2896	10

API SERVICE CK-4 / SN · SAE 15W-40 · CI-4 PLUS · FULLY SYNTHETIC · LOW EMMISSION · FUEL ECONOMY

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Zircon Starlight XT 10W30 CJ-4/SN

API CJ-4/CI-4+/CI-4, SN/CF; ACEA E9-08, E7-08; MB 228.31; MAN M3575; MTU Type 3.1, 2.1; Volvo VDS-4; Renault Trucks RLD-3; Cummins CES 20081; Caterpillar ECF-2, ECF-3; Deutz DQC III-10 LA

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.854
Viscosity @ 100°C, cSt	ASTM D445	10.5
Viscosity @ 40°C, cSt	ASTM D445	60
Viscosity Index	ASTM D2270	≥150
Cold Crank Simulator, cP	ASTM D5293	<7,000 @ -25 °C
Pour Point, °C	ASTM D97	-36
Flash Point, °C	ASTM D92	>230
Total Base Number (TBN), KOH/g	ASTM D2896	9

FULLY SYNTHETIC · LONG LIFE · HEAVY DUTY

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Zircon Starlight XT 10W40 CJ-4/SN

Meets and exceeds: API CJ-4/CI-4+/CI-4, SN/CF; ACEA E9-08, E7-08; MB 228.31; MAN M3575; MTU Type 3.1, 2.1; Volvo VDS-4; Renault Trucks RLD-3; Cummins CES 20081; Caterpillar ECF-2, ECF-3; Deutz DQC III-10 LA ; Mack EO-O Premium Plus; DDC 93K218; Global DHD-1; JASO DH-2.

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.854
Viscosity @ 100°C, cSt	ASTM D445	12
Viscosity @ 40°C, cSt	ASTM D445	68
Viscosity Index	ASTM D2270	≥150
Cold Crank Simulator, cP	ASTM D5293	<7,000 @ -25°C
Pour Point, °C	ASTM D97	-36
Flash Point, °C	ASTM D92	>230
Total Base Number (TBN), KOH/g	ASTM D2896	9

FULLY SYNTHETIC · LONG LIFE · HEAVY DUTY

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Zircon Starlight 10W40 CI-4/SL

Meets and exceeds: ACEA E7-12 (2012); ACEA A3/B4-12 (2012) ; API CI-4 ; API CH-4 ; API CG-4; API CF-4; API CF; API SL; MB-Approval 228.3; MB-Approval 229.1; MB 228.5; MB 228.3; Volvo VDS-3; Renault Truck RLD-2; Mack EO-N; Mack EO-M Plus; MAN M 3275; Cummins CES 20076; Cummins CES 20077; Cummins CES 20078; CAT ECF-2; CAT ECF-1-a; MTU Type 2; Deutz DQC III-10 ;Detroit Diesel DDC 93K215; Global DHD-1.

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.868
Viscosity @ 100°C, cSt	ASTM D445	13.5
Viscosity @ 40°C, cSt	ASTM D445	89
Viscosity Index	ASTM D2270	145
Cold Crank Simulator, cP	ASTM D5293	<7,000 @ -25°C
Pour Point, °C	ASTM D97	-35
Flash Point, °C	ASTM D92	230
Total Base Number (TBN), KOH/g	ASTM D2896	11

SYNTHETIC TECHNOLOGY · API SERVICE CI-4 / SL · SAE 10W-40 · LONG LIFE · HEAVY DUTY

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Zircon Starlight 15W40 CI-4/SL

Meets and exceeds; ACEA E7-12 (2012); ACEA A3/B4-12 (2012) ; API CI-4 ; API CH-4 ; API CG-4; API CF-4; API CF; API SL; MB-Approval 228.3; MB-Approval 229.1; Volvo VDS-3; Renault Truck RLD-2; Mack EO-N; Mack EO-M Plus; MAN M 3275; Cummins CES 20076; Cummins CES 20077; Cummins CES 20078; CAT ECF-2; CAT ECF-1-a; MTU Type 2; Deutz DQC III-10 ;Detroit Diesel DDC 93K215; Global DHD-1

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.875
Viscosity @ 100°C, cSt	ASTM D445	15.7
Viscosity @ 40°C, cSt	ASTM D445	120
Viscosity Index	ASTM D2270	140
Cold Crank Simulator, cP	ASTM D5293	<7,000 @ -20°C
Pour Point, °C	ASTM D97	-34
Flash Point, °C	ASTM D92	220
Total Base Number (TBN), KOH/g	ASTM D2896	11

SYNTHETIC TECHNOLOGY · API SERVICE CI-4 / SL · SAE 15W-40 · LONG LIFE · HEAVY DUTY

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Zircon XT 15W40 CH-4/SJ, ACEA E7

Meets and exceeds: ACEA E7-12 (2012) API CI-4 API CH-4 API CG-4; API CF-4 API CF API SL MB-Approval 228.3; Volvo VDS-3 Renault Truck RLD-2 Mack EO-N Mack EO-M Plus; MAN M 3275 Cummins CES 20076 Cummins CES 20077 Cummins CES 20078; CAT ECF-1-a CAT ECF-2 MTU Type 2 Deutz DQC III-10; Detroit Diesel DDC 93K215 Global DHD-1

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.885
Viscosity @ 100°C, cSt	ASTM D445	14.5
Viscosity @ 40°C, cSt	ASTM D445	100
Viscosity Index	ASTM D2270	135
Cold Crank Simulator, cP	ASTM D5293	7000 @ -20 °C
Pour Point, °C	ASTM D97	-25
Flash Point, °C	ASTM D92	220
Total Base Number (TBN), KOH/g	ASTM D2896	10

EXTENDED DRAIN

HEAVY DUTY

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Zircon XT 20W50 CH-4/SJ, ACEA E7

Meets and exceeds: ACEA E7-12 (2012) API CI-4 API CH-4 API CG-4; API CF-4 API CF API SL MB-Approval 228.3; Volvo VDS-3 Renault Truck RLD-2 Mack EO-N Mack EO-M Plus; MAN M 3275 Cummins CES 20076 Cummins CES 20077 Cummins CES 20078; CAT ECF-1-a CAT ECF-2 MTU Type 2 Deutz DQC III-10; Detroit Diesel DDC 93K215 Global DHD-1

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.885
Viscosity @ 100°C, cSt	ASTM D445	19.5
Viscosity @ 40°C, cSt	ASTM D445	165
Viscosity Index	ASTM D2270	125
Cold Crank Simulator, cP	ASTM D5293	9,500 @ -15 °C
Pour Point, °C	ASTM D97	-25
Flash Point, °C	ASTM D92	220
Total Base Number (TBN), KOH/g	ASTM D2896	10

EXTENDED DRAIN

HEAVY DUTY

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Zircon HD 40/15W40 CF-4/SG

Meets and exceeds: API CF-4, CF-2, CF; Recommended for use in Caterpillar, Cummins, Detroit Diesel, Mack, Volvo, Scania, Renault, Iveco and many diesel engines.

TYPICAL PROPERTIES

		40	15W40
Density @ 15°C, kg/l	ASTM D1298	0.901	0.885
Viscosity @ 100°C, cSt	ASTM D445	14.5	14.5
Viscosity @ 40°C, cSt	ASTM D445	140	100
Viscosity Index	ASTM D2270	103	135
Cold Crank Simulator, cP	ASTM D5293	-	<7,000 @ -20 °C
Pour Point, °C	ASTM D97	-20	-25
Flash Point, °C	ASTM D92	220	220
Total Base Number (TBN), KOH/g	ASTM D2896	12	12

HEAVY DUTY

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Zircon HD 50/20W50 CF-4/SG

Meets and exceeds: API CF-4, CF-2, CF; Recommended for use in Caterpillar, Cummins, Detroit Diesel, Mack, Volvo, Scania, Renault, Iveco and many diesel engines.

TYPICAL PROPERTIES

		50	20W50
Density @ 15°C, kg/l	ASTM D1298	0.905	0.885
Viscosity @ 100°C, cSt	ASTM D445	19.5	19.5
Viscosity @ 40°C, cSt	ASTM D445	205	165
Viscosity Index	ASTM D2270	105	125
Cold Crank Simulator, cP	ASTM D5293	-	<9,500 @ -15 °C
Pour Point, °C	ASTM D97	-20	-25
Flash Point, °C	ASTM D92	220	210
Total Base Number (TBN), KOH/g	ASTM D2896	12	12

HEAVY DUTY

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk

OSCAR PRODUCTS USE EXPLAINED

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Coolant



Oscar Coolcar® 50%
Oscar Coolcar® 33%

ATF

Oscar ATF III
Fully Synthetic





Engine Oil



Oscar Zircon® Novus
SAE 5W30-10W30-10W40
API CK-4, CK-4/SN

Oscar Zircon® Starlight XT
SAE 10W30-10W40-15W40
API CJ-4

Oscar Zircon® Starlight
SAE 10W40-15W40
API Ci-4, CI-4/SL

Oscar Zircon® XT
SAE 15W40-20W50
API CH-4, CH-4/SG

Oscar Zircon® HD
SAE 40-50-70-15W40-20W50-20W60
API CF-4, CF/SF

Grease



Oscar Pyrox
EP2
Oscar Pyrox
Complex EP2

Gear Oil



Oscar MTF
SAE 85W90-85W140
API GL-5



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Engine Oil



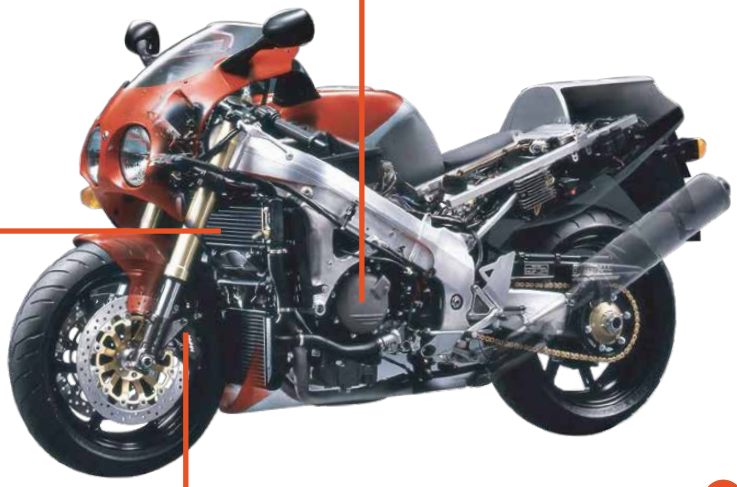
Oscar Jade® 4T Super
SAE 20W50-20W40-10W40
API SN JASO MA 2 - API SL JASO MA 2

Oscar Jade® 4T Eco
SAE 20W50-20W40
API SG JASO MA 1

Engine Oil



Oscar Jade® 4T Super Scooter
SAE 10W40
API SL JASO MB





Brake Fluid

Oscar Brake Fluid
DOT 3
DOT 4



Coolant

Oscar Coolcar®
33%



Gear Oil

Oscar MTF
SAE 80W90
API GL-5





Oscar Jade 4T Racing SAE 5W40 API SN, JASO MA2

API SN; JASO MA2

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.855
Viscosity @ 100°C, cSt	ASTM D445	13.6
Viscosity @ 40°C, cSt	ASTM D445	79.6
Viscosity Index	ASTM D2270	175
Pour Point, °C	ASTM D97	-36
Flash Point, °C	ASTM D92	226
Total Base Number (TBN), KOH/g	ASTM D2896	8.4

AVAILABLE PACKS

1L, 208L, Bulk



Oscra Jade 4T Endurance SAE 10W60 API SN, JASO MA2

API SN; JASO MA2

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.860
Viscosity @ 100°C, cSt	ASTM D445	24.0
Viscosity @ 40°C, cSt	ASTM D445	156
Viscosity Index	ASTM D2270	185
Pour Point, °C	ASTM D97	-33
Flash Point, °C	ASTM D92	236
Total Base Number (TBN), KOH/g	ASTM D2896	8.0

AVAILABLE PACKS

1L, 208L, Bulk



Oscar Jade 4T Super SAE 10W40 API SN, JASO MA2

API SN; JASO MA2

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.871
Viscosity @ 100°C, cSt	ASTM D445	13.82
Viscosity @ 40°C, cSt	ASTM D445	89.9
Viscosity Index	ASTM D2270	155
Pour Point, °C	ASTM D97	-33
Flash Point, °C	ASTM D92	236
Total Base Number (TBN), KOH/g	ASTM D2896	7.5

AVAILABLE PACKS

1L, 208L, Bulk



Oscar Jade 4T Super SAE 20W40/50 API SL, JASO MA2

API SL; JASO MA2

TYPICAL PROPERTIES

		20W40	20W50
Density @ 15°C, kg/l	ASTM D1298	0.880	0.880
Viscosity @ 100°C, cSt	ASTM D445	15.0	18.5
Viscosity @ 40°C, cSt	ASTM D445	122	160
Viscosity Index	ASTM D2270	126	126
Pour Point, °C	ASTM D97	-30	-30
Flash Point, °C	ASTM D92	230	230
Total Base Number (TBN), KOH/g	ASTM D2896	7.5	7.5

AVAILABLE PACKS

1L, 208L, Bulk



Oscar Jade 4T Eco SAE 20W40 API SG JASO MA1

API SG; JASO MA / MA1

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.880
Viscosity @ 100°C, cSt	ASTM D445	14.0
Viscosity @ 40°C, cSt	ASTM D445	100
Viscosity Index	ASTM D2270	142
Pour Point, °C	ASTM D97	-30
Flash Point, °C	ASTM D92	230
Total Base Number (TBN), KOH/g	ASTM D2896	7.0

AVAILABLE PACKS

1L, 208L, Bulk



Oscar Jade 4T Eco SAE 20W50 API SG JASO MA1

API SG; JASO MA / MA1

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.880
Viscosity @ 100°C, cSt	ASTM D445	18.5
Viscosity @ 40°C, cSt	ASTM D445	160
Viscosity Index	ASTM D2270	126
Pour Point, °C	ASTM D97	-25
Flash Point, °C	ASTM D92	230
Total Base Number (TBN), KOH/g	ASTM D2896	7.0

AVAILABLE PACKS

1L, 208L, Bulk



Oscar 4T Super Scooter SAE 10W30/40 API SL, JASO MB

API SL / SJ / SH / SG; JASO MB

TYPICAL PROPERTIES

		10W30	10W40
Density @ 15°C, kg/l	ASTM D1298	0.880	0.880
Viscosity @ 100°C, cSt	ASTM D445	10.50	13.80
Viscosity @ 40°C, cSt	ASTM D445	69.0	90.0
Viscosity Index	ASTM D2270	140	155
Pour Point, °C	ASTM D97	-30	-30
Flash Point, °C	ASTM D92	230	225
Total Base Number (TBN), KOH/g	ASTM D2896	7.5	7.5

AVAILABLE PACKS

1L, 208L, Bulk

JADE - 2T





Oscar Jade 2T SAE 30 API TC, JASO FC

API TC; JASO FC

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.871
Viscosity @ 100°C, cSt	ASTM D445	13.8
Viscosity @ 40°C, cSt	ASTM D445	89.9
Viscosity Index	ASTM D2270	155
Pour Point, °C	ASTM D97	-33
Flash Point, °C	ASTM D92	226
Total Base Number (TBN), KOH/g	ASTM D2896	N/A

AVAILABLE PACKS

1L, 208L, Bulk





Oscar Jade 2T Outboard NMMA API TC-W3

API TC-W3; NMMA

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.880
Viscosity @ 100°C, cSt	ASTM D445	8.3
Viscosity @ 40°C, cSt	ASTM D445	53
Viscosity Index	ASTM D2270	160
Pour Point, °C	ASTM D97	-35
Flash Point, °C	ASTM D92	230
Total Base Number (TBN), KOH/g	ASTM D2896	N/A

AVAILABLE PACKS

1L, 208L, Bulk

AUTOMATIC TRANSMISSION FLUIDS



Oscar ATF VI

Meets the requirements of General Motors' DEXRON-VI

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.860
Viscosity @ 100°C, cSt	ASTM D445	5.83
Viscosity @ 40°C, cSt	ASTM D445	29
Viscosity Index	ASTM D2270	145
Brookfield Viscosity @-40 °C, cP	ASTM D2983	11,500
Pour Point, °C	ASTM D97	-45
Flash Point, °C	ASTM D92	220

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar ATF III

Meets the requirements of GM DEXRON III H

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.860
Viscosity @ 100°C, cSt	ASTM D445	7.5
Viscosity @ 40°C, cSt	ASTM D445	34
Viscosity Index	ASTM D2270	199
Brookfield Viscosity @-40 °C, cP	ASTM D2983	<20,000
Pour Point, °C	ASTM D97	-42
Flash Point, °C	ASTM D92	>185

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar ATF II-D

Meets the requirements of GM DEXRON II D

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.870
Viscosity @ 100°C, cSt	ASTM D445	7.0
Viscosity @ 40°C, cSt	ASTM D445	37
Viscosity Index	ASTM D2270	≥160
Brookfield Viscosity @-40 °C, cP	ASTM D2983	<50,000
Pour Point, °C	ASTM D97	-44
Flash Point, °C	ASTM D92	210

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar ATF TYPE A Suffix A

Meets the requirements of General Motors type A Suffix A.

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.863
Viscosity @ 100°C, cSt	ASTM D445	7.5
Viscosity @ 40°C, cSt	ASTM D445	35.2
Viscosity Index	ASTM D2270	≥ 160
Brookfield Viscosity @-40 °C, cP	ASTM D2983	<50,000
Pour Point, °C	ASTM D97	-42
Flash Point, °C	ASTM D92	>185

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar ATF WS

Meets and exceeds: AISIN WARNER ; BMW 4 and 5 speed European ; CHRYSLER ATF +3 / 4 ; MAN 339 ; Type Z-1 ; MB 4 and 5 speed European ; TOYOTA T-III / T-IV / WS Lifetime ; VOITH ATs 55.6335 ; VW 4 and 5 speed European

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	846
Viscosity @ 100°C, cSt	ASTM D445	7,05
Viscosity @ 40°C, cSt	ASTM D445	34,5
Viscosity Index	ASTM D2270	172
Brookfield Viscosity @-40 °C cP	ASTM D2983	13,100
Pour Point, °C	ASTM D97	-45
Flash Point, °C	ASTM D92	216

AVAILABLE PACKS

1L, 208L, Bulk



Oscar CVT

Meets and exceeds: BMW Mini Cooper EZL 799 ;Dodge/Jeep NS-2, CVTF+4 ;Ford CVT23, CVT30/Motorcraft XT-7-QCFT, Mercon C ; GM/ Saturn DEX-CVT ; Honda HMMF, HCF-2 ;Hyundai/ Kia CVT applications (SP-CVT 1) ; Mazda CVTF 3320 ; Mercedes Benz 236.20 ;Mitsubushi CVTF-J1, CVTF-J4; Nissan NS-2, NS-3 ; Shell Green 1V;Subaru Lineartronic CVTF (P/N K0425Y0710), CV-30, High Torque CVTF, e-CVTF ; Suzuki TC, NS-2, CVTF 3320, CVT Green 1, CVT Green 2; Toyota TC, FE ; Volkswagen/Audi TL 52180; G 052 180, G 052 516

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.848
Viscosity @ 100°C, cSt	ASTM D445	7.5
Viscosity @ 40°C, cSt	ASTM D445	34
Viscosity Index	ASTM D2270	175
Brookfield Viscosity @-40 °C cP	ASTM D2983	12.000
Pour Point, °C	ASTM D97	-42
Flash Point, °C	ASTM D92	210

AVAILABLE PACKS

1L, 208L, Bulk



Oscar DCT

Meets and exceeds: Audi, Seat, Skoda, Volskwagen (VW TL 052 182; VW TL 052 529), BMW 1, 3, 5, 6 series, Z4, X1 (BMW DCTF-1), Peugeot/Citroen 9734.S2, Ferrari TF DCT-F3, Fiat BOT 341, Ford/Nissan M2C936A (BOT 341), Mercedes-Benz A-Class, B-Class (MB 236.21; MB 236.25), Mitsubishi MZ320065 Dia-Queen SSTF-I, Porsche (ZF) Boxster, Cayman, 911, Panamera, Renault Getrag (BOT 450), Volvo C30, S40, S60, V40, V50, V60, V70 S80, XC30, XC60 (1161838 1161839

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.852
Viscosity @ 100°C, cSt	ASTM D445	7.5
Viscosity @ 40°C, cSt	ASTM D445	36.3
Viscosity Index	ASTM D2270	170
Pour Point, °C	ASTM D92	-40
Flash Point, °C	ASTM D2896	190

AVAILABLE PACKS

1L, 208L, Bulk



Oscar PSF

Used in automatic transmissions and manual transmissions, in torque converters and numerous power steering systems in accordance with the specifications of the manufacturer.

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.870
Viscosity @ 100°C, cSt	ASTM D445	8
Viscosity @ 40°C, cSt	ASTM D445	40
Viscosity Index	ASTM D2270	175
Pour Point, °C	ASTM D92	200
Flash Point, °C	ASTM D97	-36

AVAILABLE PACKS

1L, 208L, Bulk



Oscar MTF SAE 75W90 API GL-5 LS

Meets and exceeds: API GL-4; API GL-5, API GL-5 LS (Limited Slip); MACK GO-J; MACK GO-J Plus; MAN 342 Type M1; MAN 342 Type M2; MAN 342 Type M3; SCANIA STO 1:0

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.860
Viscosity @ 100°C, cSt	ASTM D445	15.7
Viscosity @ 40°C, cSt	ASTM D445	115
Viscosity Index	ASTM D2270	144
Pour Point, °C	ASTM D97	-45
Flash Point, °C	ASTM D92	220

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar MTF SAE 75W80 API GL-5 LS

Meets and exceeds: API GL-4/GL-5 LS; MIL L 2105 C; FORD WSD-M2C200-C; MACK GO-J Plus; PSA B71 2330

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.860
Viscosity @ 100°C, cSt	ASTM D445	9.5
Viscosity @ 40°C, cSt	ASTM D445	55.5
Viscosity Index	ASTM D2270	155
Pour Point, °C	ASTM D97	-42
Flash Point, °C	ASTM D92	230

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar MTF SAE 75W140 API GL-5 LS

Meets and exceeds: API GL-5, GL-5 LS (Limited Slip); MIL L 2105 D; MAN 342; SCANIA STO 1:0

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.872
Viscosity @ 100°C, cSt	ASTM D445	24.4
Viscosity @ 40°C, cSt	ASTM D445	170
Viscosity Index	ASTM D2270	175
Pour Point, °C	ASTM D97	-48
Flash Point, °C	ASTM D92	210

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Nomad MTF SAE 75W90 API GL-4/GL-5

Meets and exceeds: API GL-4/GL-5; API MT-1 ; SAE J2360; MIL L 2105 D/PRF 2105 E ; EATON Europe; MAN 341 Z2; MAN 341 S1; MB 235.8; MERITOR O-76-N; SCANIA STO 1:0; VOLVO 97312 ; ZF TE-ML 02B ; ZF TE-ML 12L ; ZF TE-ML 12N ; ZF TE-ML 19C

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.860
Viscosity @ 100°C, cSt	ASTM D445	15.7
Viscosity @ 40°C, cSt	ASTM D445	115
Viscosity Index	ASTM D2270	144
Pour Point, °C	ASTM D97	-45
Flash Point, °C	ASTM D92	210

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar MTF SAE 80W90 API GL-5

Meets and exceeds: API GL-5

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.900
Viscosity @ 100°C, cSt	ASTM D445	15.0
Viscosity @ 40°C, cSt	ASTM D445	144
Viscosity Index	ASTM D2270	105
Pour Point, °C	ASTM D97	-30
Flash Point, °C	ASTM D92	210

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar MTF SAE 85W140 API GL-5

Meets and exceeds: API GL-5

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.910
Viscosity @ 100°C, cSt	ASTM D445	27.8
Viscosity @ 40°C, cSt	ASTM D445	369
Viscosity Index	ASTM D2270	100
Pour Point, °C	ASTM D97	-18
Flash Point, °C	ASTM D92	230

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar MTF SAE 75W85 API GL-4

Meets and exceeds: API GL-4; API MT-1; MIL L 2105; MB 235.31

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.88
Viscosity @ 100°C, cSt	ASTM D445	11.8
Viscosity @ 40°C, cSt	ASTM D445	69.5
Viscosity Index	ASTM D2270	168
Pour Point, °C	ASTM D97	-42
Flash Point, °C	ASTM D92	210

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar MTF SAE 75W80 API GL-4

Meets and exceeds: API GL-4; VW G 009 317; VW G 052 171; VW G 052 178; VW G 052 512; VW G 052 532; VW G 052 527; VW G 052 726; VW G 052 798; VW G 055 726; BMW MTF LT-1; BMW MTF LT-2; BMW MTF LT-3; BMW MTF LT-4; FORD WSS-M2C200-D2; MB 235.10; MITSUBISHI MZ312644 3005401; NISSAN 999MP-MTF20P KE91699932R; PEUGEOT 9730A2/9730A8; PSA B71 2330

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.860
Viscosity @ 100°C, cSt	ASTM D445	9.5
Viscosity @ 40°C, cSt	ASTM D445	55.5
Viscosity Index	ASTM D2270	155
Pour Point, °C	ASTM D97	-40
Flash Point, °C	ASTM D92	220

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar MTF SAE 75W80 ZF

Meets and exdeeds: API GL-4; EATON Manual Transmission; MAN 341 Type Z4; MAN 341 Type E3; VOLVO 97307; ZF TE-ML 01L; ZF TE-ML 02L; ZF TE-ML 16K

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.860
Viscosity @ 100°C, cSt	ASTM D445	9.5
Viscosity @ 40°C, cSt	ASTM D445	55.5
Viscosity Index	ASTM D2270	155
Pour Point, °C	ASTM D97	-42
Flash Point, °C	ASTM D92	230

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar MTF OEM Specific Haldex

Meets and exceeds: VW G 060 175 A2; VW G 055 175 A2; VW G 052 175 A2; BMW 8322 2413513; Volvo 31367940; Opel 1940057; VAUXHALL 1940057; GM 93165387

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.850
Viscosity @ 100°C, cSt	ASTM D445	5.7
Viscosity @ 40°C, cSt	ASTM D445	27.5
Viscosity Index	ASTM D2270	155
Pour Point, °C	ASTM D97	-48
Flash Point, °C	ASTM D92	230

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar MTF SAE 90 API GL-4/GL-5

Meets and exceeds: API GL-4/GL-5

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.90
Viscosity @ 100°C, cSt	ASTM D445	19.5
Viscosity @ 40°C, cSt	ASTM D445	221
Viscosity Index	ASTM D2270	100
Pour Point, °C	ASTM D97	-21
Flash Point, °C	ASTM D92	236

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar MTF SAE 140 API GL-4/GL-5

Meets and exceeds: API GL-4/GL-5

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.90
Viscosity @ 100°C, cSt	ASTM D445	29.6
Viscosity @ 40°C, cSt	ASTM D445	443
Viscosity Index	ASTM D2270	95
Pour Point, °C	ASTM D97	-15
Flash Point, °C	ASTM D92	240

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Long Life Coolcar/Antifreeze Concentrate G13

Meets and exceeds: VW/Audi/Seat/Porsche, VW G13; VW G12; MB 325.3; MB 325.5; MB 325.6; MAN 324 Type SNF; ASTM D 3306; ASTM D 4656; ASTM D 4985; ASTM D 5345; SAE J814C; SAE J1038; SAE J1941; SAE J1034; Ford WSS M97 B44-D; BMW N600.69.0; Toyota TSK 2601G-8A; G13.

TYPICAL PROPERTIES

Density @ 15°C, kg/l	1.06
Boiling Point, °C	163

Si-OAT Technology

G13

ANTIFREEZE

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Long Life Coolcar/Antifreeze 50% G13

Meets and exceeds: VW/Audi/Seat/Porsche, VW G13; VW G12; MB 325.3; MB 325.5; MB 325.6; MAN 324 Type SNF; ASTM D 3306; ASTM D 4656; ASTM D 4985; ASTM D 5345; SAE J814C; SAE J1038; SAE J1941; SAE J1034; Ford WSS M97 B44-D; BMW N600.69.0; Toyota TSK 2601G-8A; G13.WSS M97 B44-D; BMW N600.69.0; Toyota TSK 2601G-8A; G13.

TYPICAL PROPERTIES

pH	8.5
Freezing point °C	-36
Density @ 15°C, kg/l	1.07
Boiling point°C	109

Si-OAT Technology

G13

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Long Life Coolcar/Antifreeze Concentrate G12

Meets and exceeds: VW/Audi/Seat/Porsche, VW G12; MB 325.3; MAN 324 Type SNF; ASTM D 3306; ASTM D 4656; ASTM D 4985; ASTM D 5345; SAE J814C; SAE J1038; SAE J1941; SAE J1034; Ford WSS M97 B44-D. G12

TYPICAL PROPERTIES

Density @ 15°C, kg/l	1.10
Boiling Point, °C	163

Si-OAT Technology

G12

ANTIFREEZE

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Long Life Coolcar/Antifreeze 50% G12

Meets and exceeds: VW/Audi/Seat/Porsche, VW G12; MB 325.3; MAN 324 Type SNF; ASTM D 3306; ASTM D 4656; ASTM D 4985; ASTM D 5345; SAE J814C; SAE J1038; SAE J1941; SAE J1034; Ford WSS M97 B44-D. G12

TYPICAL PROPERTIES

pH	8.5
Freezing point °C	-36
Density @ 15°C, kg/l	1.07
Boiling point°C	109

Si-OAT Technology

G12

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Universal Coolcar/Antifreeze Concentrate G11

Meets and exceeds: ASTM D 3306; ASTM D 4656; ASTM D 4985; ASTM D 5345; SAE J814C; SAE J1038; SAE J1941; SAE J1034;GM 1899M; GM 6043M; GM 1825M; Ford ESE-M97B44-A; Ford ESE-M97B18-C; Chrysler MS-7170;Freightliner 48-22880; Cummins 90T8-4; Waukesha 4-19470; White (GMC Div. Of Volvo); John Deere 8650-5; Case Corp. MS1710; Navistar B1 (B6-008GO); Cummins 3666132; Detroit Diesel 7SE298; FordNew Holland 9-86; John Deere H-5; Mack Truck 014GS17004; ATA RP 302A; G11

TYPICAL PROPERTIES

Density @ 15°C, kg/l	1.13
Boiling Point, °C	160

G11

ANTIFREEZE

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk



Oscar Universal Coolcar/Antifreeze 33%/50% G11

Meets and exceeds: ASTM D 3306; ASTM D 4656; ASTM D 4985; ASTM D 5345; SAE J814C; SAE J1038; SAE J1941; SAE J1034;GM 1899M; GM 6043M; GM 1825M; Ford ESE-M97B44-A; Ford ESE-M97B18-C; Chrysler MS-7170;Freightliner 48-22880; Cummins 90T8-4; Waukesha 4-19470; White (GMC Div. Of Volvo); John Deere 8650-5; Case Corp. MS1710; Navistar B1 (B6-008GO); Cummins 3666132; Detroit Diesel 7SE298; FordNew Holland 9-86; John Deere H-5; Mack Truck 014GS17004; ATA RP 302A; G11

TYPICAL PROPERTIES

pH	8.5
Freezing point °C	-36
Density @ 15°C, kg/l	1.05
Boiling point°C	109

G11

AVAILABLE PACKS

1L, 4L, 5L, 20L, 25L, 208L, Bulk

BRAKE FLUID



Oscar Brake Fluid DOT 5.1

Meets and exceeds: SAE J 1704; FMVSS 116 DOT 5.1; ISO 4925

TYPICAL PROPERTIES

FMVSS Grade	DOT 5.1
Color	Amber
Density @ 15 ˚C	1.05
pH	9.0
Kinematic Viscosity @ 100 ˚C, cSt	1.5
Equilibrium Reflux Boiling Point, ˚C	260
Wet Equilibrium Reflux Boiling Point, ˚C	180
Pour Point, ˚C	> -50

AVAILABLE PACKS

250mL, 500mL, 208L, Bulk



Oscar Brake Fluid DOT 4 LV

Meets and exceeds: FMVSS No. 116 DOT 4 LV; SAE J1703; Ford M6C65-A2; JIS K 2233 Class 6; ISO 4925 Class 6; VW 501.14

TYPICAL PROPERTIES

FMVSS Grade	DOT 4 LV
Color	Amber
Density @ 15 ˚C	1.060
pH	9.0
Kinematic Viscosity @ 100 ˚C, cSt	1.5
Equilibrium Reflux Boiling Point, ˚C	260
Wet Equilibrium Reflux Boiling Point, ˚C	165
Pour Point, ˚C	> -50

AVAILABLE PACKS

250mL, 500mL, 208L, Bulk



Oscar Brake Fluid DOT 4

Meets and exceeds: FMVSS No. 116 DOT 4; SAE J1703

TYPICAL PROPERTIES

FMVSS Grade	DOT 4
Color	Amber
Density @ 15 ˚C	1.060
pH	9.0
Kinematic Viscosity @ 100 ˚C, cSt	2.2
Equilibrium Reflux Boiling Point, ˚C	260
Wet Equilibrium Reflux Boiling Point, ˚C	148
Pour Point, ˚C	> -50

AVAILABLE PACKS

250mL, 500mL, 208L, Bulk



Oscar Brake Fluid DOT 3

Meets and exceeds: FMVSS No. 116 DOT 3; SAE J1703

TYPICAL PROPERTIES

FMVSS Grade	DOT 3
Color	Amber
Density @ 15 ˚C	1.092
pH	9.0
Kinematic Viscosity @ 100 ˚C, cSt	2.2
Equilibrium Reflux Boiling Point, ˚C	240
Wet Equilibrium Reflux Boiling Point, ˚C	148
Pour Point, ˚C	> -50

AVAILABLE PACKS

250mL, 500mL, 208L, Bulk



Oscar Grease Complex EP 2 - 3

Meets and exceeds: for EP2: ISO 6743-9: L-XBEHB 2; DIN 51502: KP2P-20 for EP3: ISO 6743-9: L-XBDHB 3; DIN 51502: P3N-20

TYPICAL PROPERTIES

Soap/Thickener		Lithium Complex	
NLGI Grade	ASTM D217	2	3
Color	Visual	Red	Red
Appearance	Visual	Smooth	Smooth
Operating Temperature range, °C	-	-25 to 160	-25 to 160
Penetration @ 25°C, 0.1 mm	ASTM D217	265 - 295	220- 250
Dropping point, °C	IP 396/DIN ISO 2176	≥275	≥240
Kinematic viscosity of the base oil @ 40°C, mm2/s	ASTM D445	165	165

AVAILABLE PACKS

0.5 KG, 1 KG, 3 KG, 15 KG, 175 KG



Oscar Grease EP 2 - 3

Meets and exceeds: for EP2: ISO 6743-9: L-XBEHB 2; DIN 51502: KP2P-20 for EP3: ISO 6743-9: L-XBDHB 3; DIN 51502: P3N-20

TYPICAL PROPERTIES

Soap/Thickener		Lithium	
NLGI Grade	ASTM D217	2	3
Color	Visual	Glazy Yellow	Glazy Yellow
Appearance	Visual	Smooth	Smooth
Operating Temperature range, °C	-	-25 to 140	-25 to 140
Penetration @ 25°C, 0.1 mm	ASTM D217	265 - 295	220 - 250
Dropping point, °C	IP 396/DIN ISO 2176	≥190	≥190
Kinematic viscosity of the base oil @ 40°C, mm2/s	ASTM D445	165	165

AVAILABLE PACKS

0.5 KG, 1 KG, 3 KG, 15 KG, 175 KG



Oscar Grease MP 2 - 3

Meets and exceeds: for MP2: ISO 6743-9: L-XBCEA 2; DIN 51502: K2K-25 for MP3: ISO 6743-9: L-XBCEA 3; DIN 51502: K3K-20

TYPICAL PROPERTIES

Soap/Thickener		Lithium	
NLGI Grade	ASTM D217	2	3
Color	Visual	Glazy Yellow	Glazy Yellow
Appearance	Visual	Smooth	Smooth
Operating Temperature range, °C	-	-25 to 120	-25 to 120
Penetration @ 25°C, 0.1 mm	ASTM D217	265 - 295	220- 250
Dropping point, °C	IP 396/DIN ISO 2176	≥185	≥185
Kinematic viscosity of the base oil @ 40°C, mm2/s	ASTM D445	150	150

AVAILABLE PACKS

0.5 KG, 1 KG, 3 KG, 15 KG, 175 KG



Oscar Grease MP 0 - 1

Meets and exceeds: for MP0: ISO 6743-9: L–XBCEB 0; DIN 51502: MP0K–25 for MP1: ISO 6743-9: L-XBCEB 1; DIN 51502: KP1K -30

TYPICAL PROPERTIES

Soap/Thickener		Lithium	
NLGI Grade	ASTM D217	0	1
Color	Visual	Glazy Yellow	Glazy Yellow
Appearance	Visual	Smooth	Smooth
Operating Temperature range, °C	-	-25 to 100	-25 to 100
Penetration @ 25°C, 0.1 mm	ASTM D217	370	325
Dropping point, °C	IP 396/DIN ISO 2176	160	175
Kinematic viscosity of the base oil @ 40°C, mm2/s	ASTM D445	220	220

AVAILABLE PACKS

0.5 KG, 1 KG, 3 KG, 15 KG, 175 KG



Oscar Oil Viscosity Treatment

TYPICAL PROPERTIES

Color / appearance	-	-	Brown
Density at 20 °C	DIN 51757	g/cm³	0.889
Viscosity at 20 °C	DIN 51377	mPas	2,400
Flash point	DIN ISO 2592	°C	Min. 100
Pour point	DIN ISO 3016	°C	-5
Odor	-	-	characteristic
Form	-	-	liquid

AVAILABLE PACKS

300ml



Oscar Oil Additives

TYPICAL PROPERTIES

Color / appearance	-	-	Black
Density at 20 °C	DIN 51757	g/cm³	0.889
Viscosity at 40 °C	-	mm²/s	95
Flash point	DIN ISO 2592	°C	Min. 200
Pour point	DIN ISO 3016	°C	-20
Odor	-	-	characteristic
Form	-	-	liquid
Base	-	-	MoS2 -Suspension

AVAILABLE PACKS

300ml



Oscar Engine Flush Plus

TYPICAL PROPERTIES

Color / appearance	-	-	yellow, brown
Viscosity at 40 °C	-	mm²/s	<7 mm²/s
Flash point	DIN ISO 2592	°C	60
Pour point	DIN ISO 3016	°C	-30
Odor	-	-	characteristic
Form	-	-	liquid
Base	-	-	Additives + carrier liquid

AVAILABLE PACKS

300ml



Oscar Octane Booster

TYPICAL PROPERTIES

Color / appearance	-	-	yellow, transparent, clear
Viscosity at 40 °C	-	mm²/s	<7 mm²/s
Flash point	DIN ISO 2592	°C	60
Odor	-	-	characteristic
Base	-	-	Additives + carrier liquid

AVAILABLE PACKS

300ml



Oscar Injector Cleaner

TYPICAL PROPERTIES

Color / appearance	-	-	yellow, transparent, clear
Viscosity at 40 °C	-	mm²/s	2 mm²/s
Flash point	DIN ISO 2592	°C	60
Odor	-	-	characteristic
Base	-	-	Additives + carrier liquid

AVAILABLE PACKS

300ml

OSCAR®
The lubricant professionals





Oscar STOU 15W30 and 10W30

Meets the requirements of: API SF/GL 4, Caterpillar TO-2; John Deere J27, J20Cl Ford's Super Tractor Oil Universal (STOU) applications (M2C 159B); Massey-Ferguson CMS 1135 and CMS 1139; Allison C-4.

TYPICAL PROPERTIES

		Oscar STOU 15W30	Oscar STOU 10W30
Density @ 15°C, kg/l	ASTM D1298	0.875	0.875
Viscosity @ 100°C, cSt	ASTM D445	11.5	11.0
Viscosity @ 40°C, cSt	ASTM D445	76	75
Viscosity Index	ASTM D2270	145	140
Flash Point (COC), °C	ASTM D92	228	225
TBN, mg KOH/g	ASTM D2896	8	8
Pour Point, °C	ASTM D6749	-40	-40

AVAILABLE PACKS

20L, 25L, 208L, Bulk



Oscar STOU 10W40

Meets the requirements of: Allison C4, API CG-4/SF, API GL-4, Atlas Copco Kompressor, CASE IH-MS 1209, Caterpillar TO-2, FENDT KDM 41.2011, Ford ESN-M2C-134 B, Ford ESN-M2C-134 C, Ford ESN-M2C 134 D, Ford ESN-M2C-159 B, Ford ESN-M2C-159 C, Getriebeöl: SAE 80W, Hydrauliköl: HVLP ISO VG 68-100, John Deere J20C, John Deere J27, Kompressorenöl: Holman Compair Kompressor, MAN 271, Massey-Ferguson M 1139, Massey-Ferguson M 1144, Massey Ferguson M 1145, MAT 3525, MB 227.1, MB 228.1, MB 228.3, MIL-L-2104 D, Motorenöl: SAE 10W-40, New Holland NH 410B, Spezialtraktorenöl: John Deere J20C, ZF TE-M 06B, ZF TE-M 06C, ZF TE-M 06D, ZF TE-M 07B, ZF TE-ML 06A.

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.863
Viscosity @ 100°C, cSt	ASTM D445	14.3
Viscosity @ 40°C, cSt	ASTM D445	95
Viscosity Index	ASTM D2270	155
Flash Point (COC), °C	ASTM D92	228
TBN, mg KOH/g	ASTM D2896	8
Pour Point, °C	ASTM D6749	-42

AVAILABLE PACKS

20L, 25L, 208L, Bulk



Oscar UTTO SAE 80W

Meets the requirements of: SAE 80W, ISO VG 46, API GL-4, HLP-D/HVLP-D (ISO VG 46-68), DENISON HF-0, HF-1, HF-2, SPERRY VICKERS I-286-S, M-2950-S, ALLISON C4, MIL-L-2105, CATERPILLAR TO-2, ZF TE-ML 05F, 17E, ALLISON C3, CASE MS-1204, MS-1205,MS-1206,MS-1207,MS-1209,MS-1210, CASE NEW HOLLAND MAT 3525, 3505, DEUTZ Hydraulic Trans Fluid, DENISON HF 1/2/3, JOHN DEERE J 20C/D, MASSEY FERGUSON M-1110, M-1127 A, B; M-1129 A; M-1135; M-1139; M-1141; M-1143; M-1145, VALMET/VOLVO BM, ZF TE-ML 03E/06.

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.880
Viscosity @ 100°C, cSt	ASTM D445	9.8
Viscosity @ 40°C, cSt	ASTM D445	55
Viscosity Index	ASTM D2270	155
Flash Point (COC), °C	ASTM D92	230
Pour Point, °C	ASTM D6749	-38

AVAILABLE PACKS

20L, 25L, 208L, Bulk



Oscar UTTO SAE 50 TO-4

Meets the requirements of: API GL-4; CAT TO-4; KOMATSU KES 07.868.1

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.880
Viscosity @ 100°C, cSt	ASTM D445	18.0
Viscosity @ 40°C, cSt	ASTM D445	195
Viscosity Index	ASTM D2270	100
Flash Point (COC), °C	ASTM D92	245
Pour Point, °C	ASTM D6749	-20

AVAILABLE PACKS

20L, 25L, 208L, Bulk



Oscar UTTO WB101

Meets the requirements of: API GL 4, Case New Holland MAT-3525, M2C-134 A-D, FNHA-2- D.201.00, John Deere JDM-J20C, Massey-Ferguson M1143, M1145, Volvo WB 101, Transmission Oil 97303:015, ZF TE-ML 03E, 05F, 06D, 06K, 06M, 06N, 06R, 17E, 21F, Caterpillar TO-4.

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.870
Viscosity @ 100°C, cSt	ASTM D445	10.7
Viscosity @ 40°C, cSt	ASTM D445	68
Viscosity Index	ASTM D2270	147
Flash Point (COC), °C	ASTM D92	226
Pour Point, °C	ASTM D6749	-42

AVAILABLE PACKS

20L, 25L, 208L, Bulk



Oscar AgriSYN™ UTTO WB101 & WB102

Meets the requirements of: API GL 4, Case New Holland MAT-3525, MAT 3540, MAT 3526, MAT 3505, M2C-134 A-D, M2C86-B, FNHA-2-D.201.00, John Deere JD20A, JD20B, JD20C, JD20D, JDM-J20C, Massey-Ferguson M1145, M1143, M1141, M1135, Volvo WB 101, WB 102, ZF TE-ML 03E, 05F, 06D, 06K, 06M, 06N, 06R, 17E, 21F, Caterpillar TO-4.

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.857
Viscosity @ 100°C, cSt	ASTM D445	8.8
Viscosity @ 40°C, cSt	ASTM D445	50
Viscosity Index	ASTM D2270	155
Flash Point (COC), °C	ASTM D92	226
Pour Point, °C	ASTM D6749	-42

AVAILABLE PACKS

20L, 25L, 208L, Bulk



Oscar Jade 2T SAE 30

Meets the requirements of: API TC JASO FC

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.877
Viscosity @ 100°C, cSt	ASTM D445	11.6
Viscosity @ 40°C, cSt	ASTM D445	82
Viscosity Index	ASTM D2270	134
Flash Point (COC), °C	ASTM D92	190
Pour Point, °C	ASTM D6749	-30

AVAILABLE PACKS

100ml



Oscar Chainsaw Oil 100

Meets the requirements of:

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.874
Viscosity @ 100°C, cSt	ASTM D445	12.4
Flash Point (COC), °C	ASTM D92	230
Pour Point, °C	ASTM D6749	-33

AVAILABLE PACKS

4L, 20L, 25L, 208L, Bulk



Oscar Milking Machine Oil 68

Meets the requirements of:

TYPICAL PROPERTIES

Density @ 15°C, kg/l	ASTM D1298	0.884
Viscosity @ 100°C, cSt	ASTM D445	8.5
Viscosity @ 40°C, cSt	ASTM D445	68
Viscosity Index	ASTM D2270	95
Flash Point (COC), °C	ASTM D92	228
Pour Point, °C	ASTM D6749	-27

AVAILABLE PACKS

4L, 20L, 25L, 208L, Bulk

HYDRA XP



OSCAR Hydra XP

Industrial lubrication experts

Every industrial lubricant recommendation should be done after an expert consultation on the application in question. Only then the best lubricant can be selected. Oscar hydraulic oils series “HydraXP” are fitted to all your industrial applications

Oscar HydraXP series fitted to all your needs:

· HydraXP AW – high performance demulsifying AW/EP hydraulic and general lubricating oil

· HydraXP HLPD – high detergent HLPD/EP general lubricating and hydraulic oil with excellent corrosion protection

· HydraXP HVI – high performance emulsifying AW/EP hydraulic oil with a high Viscosity Index



• HydraXP AW – high performance demulsifying AW/EP hydraulic and general lubricating oil

DESCRIPTION

Oscar HydraXP AW series are general lubricating and hydraulic oils with good ageing resistance and additives to improve corrosion protection. Good viscosity temperature behavior, good wear protection, demulsifying, good air release, contain zinc.

APPLICATION

For all systems, even if thermally-stressed.

SPECIFICATIONS

DIN 51524 PART 2, CATEGORY HM
ISO 6743/4, CATEGORY HM
MAN 698, Denison HF0, HF1, HF2

Product name	Density at 15 °C, kg/m3	Flash point Cleveland, °C	Kinematic viscosity at 40 °C, mm2/s	Kinematic viscosity at 100 °C, mm2/s	Viscosity index	Pour point, °C
Oscar HydraXP AW 10	856	178	110	2,6	96	30-
Oscar HydraXP AW 22	863	180	22	4,4	107	27-
Oscar HydraXP AW 32	876	205	32	5,5	109	24-
Oscar HydraXP AW 46	875	210	46	6,9	105	24-
Oscar HydraXP AW 68	881	224	68	8,8	100	24-
Oscar HydraXP AW 100	881	232	100	11,1	96	18-
Oscar HydraXP AW 150	887	224	150	14,5	94	15-



• HydraXP HLPD – high detergent HLPD/EP general lubricating and hydraulic oil with excellent corrosion protection

DESCRIPTION

Oscar HydraXP HLPD series are hydraulic fluids according to DIN 51 502 with outstanding corrosion protection, powerful cleaning and sludge transportation properties. Contain zinc as well as being detergent and dispersant. Used in a number of hydraulic systems as problem solvers, especially when standard oils cannot fulfil all the requirements.

APPLICATION

Oscar HydraXP HLPD 10: For machine tool spindles and bobbin bearings in the textile industry. Oscar HydraXP HLPD 22, 32, 68: Heavy-duty hydraulic oils with good corrosion protection up to continuous temperatures of 100 °C, for smaller gearboxes, especially when fitted with electromagnetic clutches. Oscar HydraXP HLPD 100: For larger gearboxes.

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SPECIFICATIONS

Fulfil and surpass the minimum demands on HLPD hydraulic oils according to DIN 51 524-2. ISO 6743/4-HM with high DD performance.

Product name	Density at 15 °C, kg/m3	Flash point Cleveland, °C	Kinematic viscosity at 40 °C, mm2/s	Kinematic viscosity at 100 °C, mm2/s	Viscosity index	Pour point, °C
Oscar HydraXP HLPD 2	807	75	2,2	-	-	42-
Oscar HydraXP HLPD 5	837	85	5	1,7	83	36-
Oscar HydraXP HLPD 10	852	166	10	2,6	91	30-
Oscar HydraXP HLPD 22	868	165	22	4,3	105	30-
Oscar HydraXP HLPD 32	875	210	32	5,4	102	30-
Oscar HydraXP HLPD 46	877	220	46	6,9	105	27-
Oscar HydraXP HLPD 68	881	225	68	8,9	105	24-
Oscar HydraXP HLPD 100	883	248	100	11,4	100	18-
Oscar HydraXP HLPD 150	889	250	150	14,8	98	18-
Oscar HydraXP HLPD 320	903	265	320	24,8	99	12-
Oscar HydraXP HLPD 460	907	297	460	31,0	95	9-



• HydraXP HVI – high performance emulsifying AW/EP hydraulic oil with a high Viscosity Index

DESCRIPTION

Oscar HydraXP HVI series are hydraulic lubricating oils (machine oils) with a high Viscosity Index and additives to improve ageing resistance, corrosion protection and wear protection. Mineral oil-base and containing zinc.

APPLICATION

Suitable for all hydraulic systems, especially when a high viscosity index is specified or if excess viscosity during start-ups or insufficient viscosity at operating temperatures is a problem. High VI provides multi-grade characteristics.

SPECIFICATIONS

HVLP hydraulic and general lubricating oils according to DIN 51 524-3.
ISO 6743/4, HV ISO 11158, HV. Denison HF0, HF1, HF2

Product name	Density at 15 °C, kg/m3	Flash point Cleveland, °C	Kinematic viscosity at 40 °C, mm2/s	Kinematic viscosity at 100 °C, mm2/s	Viscosity index	Pour point, °C
Oscar HydraXP HVI 15	859	180	15	3,8	151	45-
Oscar HydraXP HVI 32	871	178	32	6,3	152	48-
Oscar HydraXP HVI 46	879	186	46	8,1	149	45-
Oscar HydraXP HVI 68	882	210	68	11,0	154	42-

GEM XP



OSCAR GEM XP

Industrial lubrication experts

Every industrial lubricant recommendation should be done after an expert consultation on the application in question. Only then the best lubricant can be selected. Oscar industrial gear oils series "GemXP" are fitted to all your industrial applications

Oscar GemXP series fitted to all your needs:

- GemXP GSH – demulsifying general lubricating, spin dle and hydraulic oil
- GemXP CLP – demulsifying high performance EP/AW gear oil and general lubricating oil
- GemXP CLPF – high performance EP/AW gear oil with MoS2 (black color)
- GemXP SYNTHETIC CLP – fully synthetic, high performance EP/AW gear oil based on polyalphaolefins (PAO)



- **GemXP GSH – demulsifying general lubricating, spindle and hydraulic oil**

DESCRIPTION

Oscar GemXP GSH series are spindle, hydraulic and general lubricating oils (machine oils) containing selected base oils and additives to improve ageing stability and corrosion protection.

APPLICATION

For thermally-stressed bearings and hydraulic systems with peak temperatures of approx 120 °C.

SPECIFICATIONS

All GemXP GSH products are DIN 51524-1 (HL) hydraulic oils and DIN 51517-2 (CL) general lubricating oils, based on mineral oils, demulsifying (water repellent) and free of zinc.

ISO 6743/4, HL, ISO 6743-6 and ISO 12925-1: CKB.

Product name	Density at 15 °C, kg/m3	Flash point Cleveland, °C	Kinematic viscosity at 40 °C, mm2/s	Kinematic viscosity at 100 °C, mm2/s	Viscosity index	Pour point, °C
Oscar GemXp GSH 2	805	100	2,2	-	-	27-
Oscar GemXp GSH 5	837	120	4,6	1,6	106	40-
Oscar GemXp GSH 7	839	155	7,4	2,2	103	27-
Oscar GemXp GSH 10	851	174	10	2,6	93	27-
Oscar GemXp GSH 15	856	195	15	3,4	98	27-
Oscar GemXp GSH 22	865	210	22	4,2	94	27-
Oscar GemXp GSH 32	874	222	32	5,4	102	24-
Oscar GemXp GSH 46	874	228	46	6,8	101	24-
Oscar GemXp GSH 68	882	250	68	8,7	99	18-
Oscar GemXp GSH 100	881	248	100	11,2	97	18-
Oscar GemXp GSH 150	889	266	150	15,5	94	15-
Oscar GemXp GSH 220	893	280	880	18,8	95	12-
Oscar GemXp GSH 320	898	280	320	24,0	95	12-
Oscar GemXp GSH 460	904	315	460	30,4	95	12-
Oscar GemXp GSH 680	912	302	680	37,9	92	12-

• GemXP CLP – demulsifying high performance EP/AW gear oil and general lubricating oil

DESCRIPTION

Oscar GemXP CLP series are high performance, gear oils and general lubricating oils with good ageing stability and additives to improve corrosion protection (combat ferrous and nonferrous metal corrosion caused by moisture). Outstanding anti-wear characteristics – good EP/AW performance, excellent protection against scuffing and micro pitting, excellent FE8 roller bearing wear protection, good demulsifying properties, very good foaming suppression, zinc- and silicone oil-free.

APPLICATION

Oscar GemXP CLP oils fulfil and surpass the minimum requirements of lubricating oils. Universal gear oils for all industrial applications such as in bearings, knuckles, spur, bevel and worm drives and whenever the manufacturer recommends a Type CLP oil.

SPECIFICATIONS

CLP according to DIN 51 517: Part3 (2004), ISO 6743-6 : ISO 12925-1: CKC, CKD. US Steel 224, David Brown S1.53.10

Product name	Density at 15 °C, kg/m3	Flash point Cleveland, °C	Kinematic viscosity at 40 °C, mm2/s	Kinematic viscosity at 100 °C, mm2/s	Viscosity index
Oscar GemXp CLP 68	886	236	68	8,7	99
Oscar GemXp CLP 100	890	240	100	11,2	98
Oscar GemXp CLP 150	894	250	150	14,5	94
Oscar GemXp CLP 220	896	260	220	18,9	96
Oscar GemXp CLP 320	900	255	320	24,0	95
Oscar GemXp CLP 460	901	270	460	30,4	95
Oscar GemXp CLP 680	918	270	680	36,8	88

• GemXP CLPF – high performance EP/AW gear oil with MoS2 (black color)

DESCRIPTION

Oscar GemXP CLPF series are extreme pressure gearbox oils with synergetic chemical EP/AW additives and physical MoS2-based solid lubricants. The MoS2-based solid lubricants are physically effective and cover a wide range of temperatures in boundary friction conditions. They reduce friction and have a damping effect. Excellent wear protection in boundary friction conditions, good dirt suspension properties (detergent effect), low foaming, very good FE8 roller bearing wear protection as well as zinc- and silicone oil-free.

APPLICATION

For highly-stressed gearboxes operating at low speeds and high loads, even when subject to shock loading, for noise reduction and for the lubrication of spindles and gear-boxes in forging presses.

SPECIFICATIONS

Oscar GemXP CLPFF series of oils surpass the minimum requirements of CLPFD lubricating oils according to DIN 51 517, Part 3 (2004) together with DIN 51 502, ISO 6743-6
ISO 12925-1: CKC, CKD.

Product name	Density at 15 °C, kg/m3	Flash point Cleveland, °C	Kinematic viscosity at 40 °C, mm2/s	Kinematic viscosity at 100 °C, mm2/s	Viscosity index	Pour point, °C
Oscar GemXp CLPF 100	891	240	100	11,2	98	21-
Oscar GemXp CLPF 220	901	260	220	18,8	95	21-
Oscar GemXp CLPF 320	900	255	320	24,0	95	14-
Oscar GemXp CLPF 460	911	270	460	30,4	95	12-
Oscar GemXp CLPF 680	922	270	680	36,8	88	10-
Oscar GemXp CLPF 1500	923	240	1,500	61,1	90	12-

• GemXP SYNTHETIC CLP – fully synthetic, high performance EP/AW gear oil based on polyalphaolefins (PAO)

DESCRIPTION

Oscar GemXP Synthetic CLP series are fully-synthetic gear and general lubricating oils with excellent thermal and ageing stability, very high viscosity index (shear-stable), out-standing low temperature characteristics, good cold flowing properties, very good air release, low foaming, good protection against micro pitting, good FE8 performance, zinc and silicone oil-free.

APPLICATION

For the lubrication of bearings and gearboxes which are subject to high thermal loads. Suitable for lubricated-for-life applications and in gearboxes with extended drain intervals. Miscible and compatible with mineral oils. Excellent low temperature characteristics, high, shear-stable viscosity index.

SPECIFICATIONS

Oscar GemXP SYNTHETIC CLP series of oils surpass the minimum requirements of CLP-HC gear oils according to DIN 51 517, Part 3 together with DIN 51 502, ISO 6743-6 and ISO 12925-1: CKC, CKD, CKE, AISE 224, David Brown S1.53.101.

Product name	Density at 15 °C, kg/m3	Flash point Cleveland, °C	Kinematic viscosity at 40 °C, mm2/s	Kinematic viscosity at 100 °C, mm2/s	Viscosity index	Pour point, °C
Oscar GemXp SYN CLP 68	848	240	68	10,7	147	56-
Oscar GemXp SYN CLP 100	851	250	100	14,5	150	53-
Oscar GemXp SYN CLP 150	853	250	150	19,6	150	45-
Oscar GemXp SYN CLP 220	854	260	220	26,7	155	42-
Oscar GemXp SYN CLP 320	860	260	320	35,0	155	42-
Oscar GemXp SYN CLP 460	861	300	460	45,6	155	39-
Oscar GemXp SYN CLP 680	862	300	680	62,2	160	33-
Oscar GemXp SYN CLP 1000	864	300	1,000	84,0	165	27-

TURBINE AND COMPRESSOR OIL



Oscar Lubricants can offer the best **Turbine and Compressor oil** for your specific application.





• Oscar Turbine Oil

DESCRIPTION
Oscar Turbine 32, 46 & 68

APPLICATION
Turbine oils for gas and steam turbines, also with gearboxes and as a control fluid for turbine plants and turbo-compressors.

SPECIFICATIONS
L-TD and L-TG turbine oils acc. to DIN 51 515-1 and -2

Product name	Density at 15 °C, kg/m3	Flash point Cleveland, °C	Kinematic viscosity at 40 °C, mm2/s	Kinematic viscosity at 100 °C, mm2/s	Viscosity index	Pour point, °C
Oscar Turbine 32	842	220	32	5,8	125	25-
Oscar Turbine 46	846	238	46	7,6	131	25-
Oscar Turbine 68	851	248	68	9,9	128	25-

• Oscar Compressor Oil

DESCRIPTION
Oscar Compressor Oil 32, 46, 68 & 100

APPLICATION
Turbine oils for gas and steam turbines, also with gearboxes and as a control fluid for turbine plants and turbo-compressors.

SPECIFICATIONS
VCL/VDL air compressor oils acc. to DIN 51 506

Product name	Density at 15 °C, kg/m3	Flash point Cleveland, °C	Kinematic viscosity at 40 °C, mm2/s	Kinematic viscosity at 100 °C, mm2/s	Viscosity index	Pour point, °C
Oscar Compressor Oil 32	871	220	32	5,2	100	25-
Oscar Compressor Oil 46	875	236	46	7,2	117	25-
Oscar Compressor Oil 68	878	248	68	8,6	97	25-
Oscar Compressor Oil 100	881	250	100	11,0	94	25-

• Oscar SYN Compressor Oil

DESCRIPTION
Oscar SYN Compressor Oil 68, 100 & 150

APPLICATION
Fully-synthetic oils for all highly-stressed air compressors which require a VCL/VDL oil. For use in rotary, screwtype and vane-type compressors.

SPECIFICATIONS
VCL/VDL air compressor oils acc. to DIN 51 506 Synthetic PAO base stock

Product name	Density at 15 °C, kg/m3	Flash point Cleveland, °C	Kinematic viscosity at 40 °C, mm2/s	Kinematic viscosity at 100 °C, mm2/s	Viscosity index	Pour point, °C
Oscar SYN Compressor Oil 68	845	265	68	10,6	144	60-
Oscar SYN Compressor Oil 100	845	250	100	14,4	148	60-
Oscar SYN Compressor Oil 150	849	250	150	19,4	148	60-

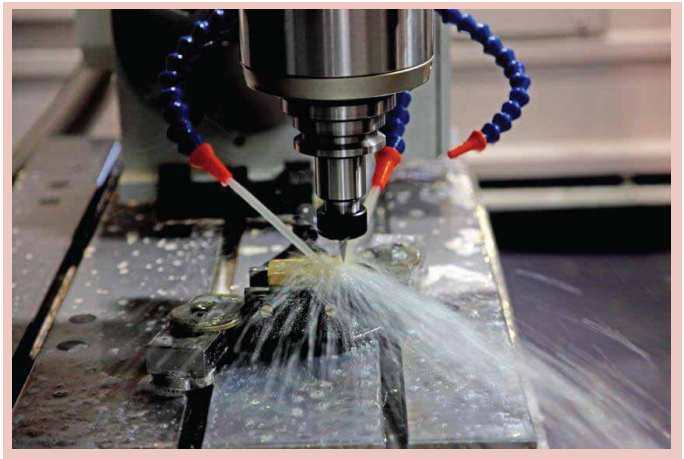


OSCAR SOLUBLE CUTTING FLUID

Oscar Soluble Cutting Fluid has been formulated to meet the requirements for the preparation of water soluble oils which will give stable milky emulsions in all types of water.

It is using an additive which is a blend of emulsifying agents, wetting agents, and rust inhibitors, together with solvent refined mineral oils. It also contains biocides and fungicide additives to give the finished soluble oils and long service life, prevent emulsion breakdown and spoilage.

It is an extremely versatile product for medium-cutting operations, provides all the lubrication and cooling properties necessary to ensure good work piece finish, and extended tool life. It is suitable on ferrous and non-ferrous metals in turning, milling, drilling, tapping, threading and cold sawing operations.





APPLICATION

It is an extremely versatile product for medium-cutting operations, provides all the lubrication and cooling properties necessary to ensure good work piece finish, and extended tool life. It is suitable on ferrous and non-ferrous metals in turning, milling, drilling, tapping, threading and cold sawing operations.

TYPICAL PROPERTIES

Test Parameters	ASTM Method	Typical Value
pH	-	9.50
Density @ 15°C, kg/l	ASTM D1298	0.8912
Flash Point (COC), °C	ASTM D92	210
Viscosity @ 100°C, cSt	ASTM D445	6.38
Viscosity @ 40°C, cSt	ASTM D445	40.0
Viscosity Index	ASTM D2270	108
Pour Point, °C	ASTM D27	6-

A COMPLETE SOLUTION PROVIDER FOR MARINE AND POWER GENERATION SYSTEMS



LOW SPEED 2-STROKE MARINE ENIGNES (MCL)

- OSCAR MCL 5070
- OSCAR MCL 5080
- OSCAR MCL 50100

LOW SPEED 2-STROKE MARINE ENIGNES (SO)

- OSCAR SO 4005
- OSCAR SO 4006
- OSCAR SO 4007



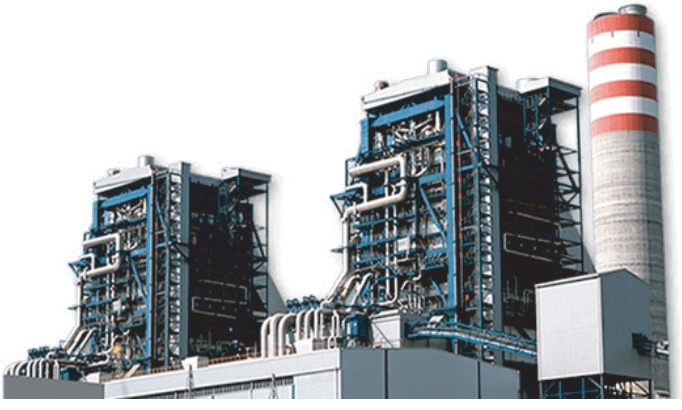


MEDIUM SPEED 4-STROKE MARINE ENIGINES (TPEO)

- OSCAR TPEO 3012
- OSCAR TPEO 3015
- OSCAR TPEO 4030
- OSCAR TPEO 4040

POWER GENERATION ENGINES (TPEO)

- OSCAR TPEO 3012
- OSCAR TPEO 3015
- OSCAR TPEO 4030
- OSCAR TPEO 4040





Oscar Transfo U

DESCRIPTION

OSCAR TRANSFO® U Uninhibited Transformer oil is severely refined hydro-cracked / hydrotreated virgin mineral insulating oils with highest degree of purity and stability. OSCAR TRANSFO® oils are manufactured from judiciously selected blend of latest technology feed stocks.

OSCAR TRANSFO® U Uninhibited Transformer oil has superior oxidation stability – meeting the requirements as specified in IEC 60296:2012, high dielectric strength and are used in equipment requiring operations at high elevated temperatures & greater oxidation resistance.

CHARACTERISTICS

OSCAR TRANSFO® oils offer special advantages over 'conventional' transformer oils, such as:

- Very low Sulphur and no DBDS.
- Non corrosive as tested by all present and proposed methods, i.e. standard DIN tests and also new IEC 62535:08.
- Higher Flash point, resulting on Low evaporation losses and better safety
- Remarkably low sludge and acidity formation, in both ageing and
- oxidation tests, results in longer life of oil and equipment
- Low viscosity oils offering excellent and fast heat transfer

APPLICATIONS

OSCAR TRANSFO® oils are highly suitable for all grades of
- Power Transformers
- Distribution Transformers
- Circuit Breakers
- Oil filled switches
- X-ray equipment

QUALITY/APPROVALS

OSCAR TRANSFO® U Uninhibited oil conforms to and exceeds the requirements of IEC 60296:2012

STORAGE PRECAUTIONS

Extreme care is taken while packing these products, including filling of drums in inert atmosphere, as Electrical Insulating oils / Transformer oils are very sensitive to very minute concentrations of contaminants, such as moisture, particulate matter, fibers, etc. Hence, care should be taken to store OSCAR TRANSFO® oils in a clean and dry condition. It is strongly recommended that all storage tanks / drums be maintained such that oil is not in contact with atmospheric air. Also, oils should always be stored indoors in climate controlled environments

OSCAR ELECTRO® U – UNINHIBITED TRANSFORMER INSULATING OIL

TYPICAL PROPERTIES

Test Parameters	Test Method	Specification Limits
FUNCTION		
Kinematic Viscosity, mm2/s (Max) at 40 °C	ISO 3104	12.0
Kinematic Viscosity, mm2/s (Max) at at -30 °C	ISO 3104	1800
Pour Point °C	ISO 3016	-40
Water Content, Max mg/kg (Bulk)	IEC 60814	30
Water Content, Max mg/kg (Drum)	IEC 60814	40
Break Down Voltage, Min. As Delivered (kv)	IEC 60156	30
Break Down Voltage, Min. After treatment (kv)	IEC 60156	70
Density kg/dm3, @ 20 °C, Max	ISO 3675	0.895
DDF at 90 °C, Max	IEC 60247	0.005
REFINING/STABILITY		
Appearance	Visual	Clear, odorless liquid free from suspended impurities
Neutralization Value / Acidity, mg KOH/g, Max	IEC 2-62021 / 1-62021	0.01
Interfacial tension, mN/m, Min	ISO 6295	40
Total Sulphur Content, %, Max	IP 373 / ISO 14596	No General Requirement
Corrosive Sulphur, silver strip, 1000C, 18 hrs	DIN 51353	Non Corrosive
Cu strip & Kraft Paper 1500C, 72 hrs	IEC 62535	Non Corrosive
DBDS, mg/kg, Max	IEC 1-62697 (in preparation)	Not Detectable (< 5)
Anti-Oxidant Additives	IEC 60666	Not Detectable
Metal Passivators, mg/kg, Max	IEC 60666	Not Detectable (< 5)
2-Furfural content, mg/kg, Max	IEC 61198	Not Detectable (< 0.05)
PERFORMANCE		
Oxidation Stability, 164 hrs - Total acidity, mg KOH/g, Max	IEC 61125 METHOD- C	1.2
Oxidation Stability, 164 hrs - Sludge, %, Max	IEC 61125 METHOD- C	0.8
Oxidation Stability, 164 hrs - DDF @ 900C, Max	IEC 60247	0.5
Gassing Tendency	IEC 1985 : 60628, Method A	No General Requirement
ECT	CIGRE	No General Requirement
HEALTH, SAFETY AND ENVIRONMENT (HSE)		
Flash Point oC, PMCC, Min	ISO 2719	135
Polycyclic Aromatics % mass, Max	IP: 346	3.00
Total PCB content mg/Kg	IEC 61619	Not Detectable (< 2)
CONFORMS TO STANDARDS		
IEC 60296:2012 (U)		ü



Oscar Heat Transfer Fluid IO 46

Oscar Heat Transfer Fluid IO 46 is a Synthetic based heat transfer fluid with inhibitors.

PROPERTIES

This lubricant assures:
- A good resistance to thermal cracking.
- An excellent resistance to oxidation in contact with the air thanks to special additives.
- An excellent thermal stability
- Low deposits · good ageing resistance

APPLICATIONS

- Heating in a liquid bath and all applications where air is present.
- Heating of domestic and industrial premises.
- Production of steam and hot water.
- Air conditioning.
- Keeping storage tanks at the requisite temperature.
- Heating by exchange systems (counter flow heat exchangers).
- Heating of thermal baths, autoclaves, reactors, furnaces, molding systems, drying tunnels and presses.





TYPICAL PROPERTIES

Test Parameters	ASTM Method	Typical Value
Density @ 15 °C, kg/l	ASTM D1298	0.87
Viscosity @ 100 °C, cSt	ASTM D445	7.1
Viscosity @ 40 °C, cSt	ASTM D445	46
Viscosity Index	ASTM D2270	112
Flash Point, °C	ASTM D92	≥ 220
Pour Point , °C	ASTM D97	-15
Bulk Temperature limit, °C		300
Film Temperature limit, °C		330

.. AND MANY MORE SOLUTIONS

Our product range also covers tailor made solutions. Every industrial lubricant recommendation should be done after an expert consultation on the application in question.

Only then the best lubricant can be selected.

Examples of tailor made solutions:

Oscar Heat Transfer Fluid Series

Oscar Synthetic Heat Transfer Fluid Series

Oscar Avion 1 (Aviation lubricant)

Oscar Avion 4 (Aviation lubricant)

Oscar Avion 5M (Aviation lubricant)

Oscar Coning Oil

Oscar Knitting/Spindle Oil Series

Oscar GEO SAE 15W40 (Gas Engine Oil)

Oscar GEO SAE 40 (Gas Engine Oil)

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