

Solutions for Heavy-Duty, Mining, Industrial and Marine Applications



OSCAR HDM

Tailor-Made Lubricants for Heavy Duty, Mining, Industrial and Marine Applications.

Oscar HDM are premium products and tailor-made solutions for heavy duty Mining, Industrial and Marine Applications. Oscar HDM increases uptime and lowers maintenance costs thanks to its products, tested in real world conditions during field tests and approved by OEMs.

Client Case Study

Through the analysis of the client's application and processes, we offer tailor-made solutions to increase your operational efficiency. People in the field are given the opportunity to bring up their concerns to our team and we will offer the right customized solutions. We also offer preventive maintenance system, through a used oil analysis program and supported by our technical team on the field if needed.

During the plant study, we investigate the lubricants life cycle of the plant, in particular:

- Machineries and equipment overview (operating conditions and lubrication)
- Visit of maintenance area and processes (information on breakdowns and repair)
- Lubricants storage and handling processes
- Procurement process
- Lubricants filtration process
- Used oil analysis process
- Used lubricants disposing process

Following the results of the visit a report is prepared and provided to the client.

Technical and economic proposals for the use of Oscar HDM products are prepared based on the client's need and improvement of his operation efficiency.

Oscar Fluid Analysis Program

In today's highly competitive market place, equipment owners are looking for more tools to keep their equipment operational and out of the workshops and maintenance areas. Oscar Fluid Analysis Program helps equipment owners achieve this objective.

Equipment owners can find out what's happening inside the equipment and stay one step ahead with the Oscar Fluid Analysis Program.

Sample procedure: send samples to the Oscar authorized lab and receive detailed results, expert analysis and recommended actions.

- Oscar Fluid Analysis Program gives a comprehensive report on oil samples tested periodically
- Equipped to provide trend analysis on various oil parameters and highlight the performance of the equipment
- Identifies potential problems before they lead to costly downtime and reduced performance
- Decreases downtime by detecting contaminants early
- Helps in optimizing oil drain intervals by monitoring fluid quality and condition

The company behind the brand

Oscar Lubricants is one of Middle East's leading independant lubricants manufacturers.

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 1998 the company started production of automotive, industrial and marine lubricants. In 2015, Oscar Lubricants inaugurated its second State of the Art lube oil blending plant implementing the latest technologies and enjoying international standards. Today, it is 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.



The manufacturing plant is based in United Arab Emirates, while the company Head Quarters is located in Paris, France. Oscar Lubricants is an ISO 45001 certified company.

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.



Oscar Lubricants in brief



FRENCH COMPANY
25+ YEARS OF EXPERIENCE



MADE IN UNITED ARAB EMIRATES
SINCE 1998



1 OF THE LARGEST
INDEPENDENT LUBRICANTS
MANUFACTURERS IN THE WORLD



IN-HOUSE R&D
AND QUALITY CONTROL



FIELD EXPERTISE
AND MANY CASE STUDIES



INTEGRATED QUALITY, SAFETY
AND ENVIRONMENTAL
MANAGEMENT SYSTEM

Technological Research Center The most comprehensive in the Middle East

With more than sixty 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.



Why we recommend Oscar Lubricants

The heavy duty industries are vital to modern society. Lubricants contribute by prolonging the life of equipments by cleaning, cooling and protecting their parts.

During the last two decades, we have experienced an increase of equipments and machineries 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. All this without affecting the output and efficiency of the equipments.

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



Oscar Lubricants has consistently improved the performance of its 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 international reputed performance levels, fulfill dedicated OEM approvals and answer the customer's needs.

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

Our vision

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

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Tailor-Made Lubricants for Extreme Conditions



OSCAR HDM PRODUCTS SUMMARY



Description

Viscosities available

Specifications

Oscar HDM Zircon Diesel Engine Oils

Oscar HDM Zircon HD

For heavy duty diesel engines that require API CF-4 level oils.

SAE 50
SAE 15W-40

API CF; API CF-4/SG

Oscar HDM Zircon Starlight

Recommended for use in heavy-duty diesel engines found in the on-road transport and off-road mining, forestry, construction and agricultural industries.

SAE 5W-30
SAE 10W-30
SAE 10W-40
SAE 15W-40

API CI-4/SL; ACEA E4, E7; Cummins CES 20076, 20077, 20078, VDS 3; MB 228.3; CAT ECF-2; MAN M3275

Oscar HDM Zircon Starlight XT

Recommended for modern, high- output, low-emission engines including those with Exhaust Gas Recirculation (EGR) and After-treatment Systems with Diesel Particulate Filters (DPFs) and Diesel Oxidation Catalysts (DOCs).

SAE 5W-40
SAE 10W-30

API CJ-4/SN; ACEA E9; VDS 4; MB 228.31; MAN M3575; Cummins CES 20081; CAT ECF-3

Oscar HDM Zircon Novus

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. 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.

SAE 5W-30
SAE 10W-40
SAE 15W-40

Cummins CES 20086 ,20081; VDS 4.5; CAT ECF-3; MAN M3477; MB 228.51

Oscar HDM NGE0 series

Oils specially designed for high output, low-emission four-cycle stationary gas engines.

SAE 40
SAE 15W-40

API CF; Cummins QSK 60G; Cummins CES 14615; Wartsila 220SG, Wartsila 28SG, Wartsila 32DF, Wartsila 34SG; Caterpillar Energy Solutions TR 2105, Lube Oils for Gas Engines (CG132, CG170, CG260); INNIO Jenbacher TI 1108-1000, INNIO Jenbacher TI 1109-1000; MAN M 2-3271; MTU Gas Engines S4000 L32, L33, L61, L62, L63, L64 using natural gas

OSCAR HDM APPLICATIONS EXAMPLE

Heavy Duty, Off-Road, Mining Machineries

HDM



HYDRAULICS

Oscar HDM TFX 10W TO-4



GREASE POINT

Winter: Oscar HDM Pyrox Complex Moly EP 0
Summer: Oscar HDM Pyrox Complex Moly EP 1



DIFFERENTIAL / FINAL DRIVE

Oscar HDM TFX 30 TO-4/Oscar HDM TFX 50 TO-4



ENGINE

Oscar HDM Zircon Starlight 15W40



TRANSMISSION

Oscar HDM TFX 10W TO-4/Oscar HDM TFX 30 TO-4

OSCAR HDM PRODUCTS SUMMARY



Description

Viscosities available

Specifications

Oscar HDM TFX Transmission Fluids

Oscar HDM TFX 75W90

Recommended for heavy duty axles and final drives requiring API GL-4/GL-5, MT-1 performance level.

SAE 75W-90

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

Oscar HDM TFX 80W90, 85W140

Used on heavy duty differentials, axles, and final drives. Recommended in off highway industries including: construction, mining, quarrying, and agriculture. Can be also used in passenger cars, on highway light and heavy duty trucks and commercial vehicles

SAE 80W-90
SAE 85W-140

API GL-5

Oscar HDM TFX FDAO 60

Recommended for use in off-highway truck and bulldozer front wheels, differentials and final drives requiring CAT FD-1 lubricants. It can also be used in transmissions requiring TO-4 fluids that do not contain friction material (e.g. those with wet brakes or clutch materials). Not recommended for final drives which contain brakes, not to be used in engines, transmissions or hydraulic systems.

SAE 60

CAT FD-1

Oscar HDM SYN ATF

Heavy duty synthetic transmission fluid used in heavy duty automatic transmissions, power steering units, hydraulic systems requiring this grade of fluid.

N/A

ALLISON C4; FORD MERCON; GM - 6417-M; DEXRON III-G; GM - DEXRON II-D; GM - DEXRON III-H; MAN - 339 V1/Z1; ZF - TE-ML 03D, 04D, 05L 11 ,09B, 14A, 17C 21L

Oscar HDM UTTO

Special oil designed for automatic transmissions, hydraulic systems, brakes and clutches of tractors, forklifts and off-road equipment. This oil (Universal Tractor Transmission Oil) should never be used to lubricate the engine.

SAE 10W-30

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

Oscar HDM TFX 10W, 50 ,30

High performance, heavy duty transmission and drive-train lubricants engineered to meet or exceed the requirements of the Caterpillar TO-4 specification. Recommended for use in: Heavy duty transmissions, gear boxes, final drives, and hydraulic systems used in off-highway applications.

SAE 10W
SAE 30
SAE 50

API GL 4; Allison C-4; CAT TO-4; ZF TE-ML 03C

Oscar HDM TFX 5W30

All season transmission oil, engineered to meet the extreme performance requirements in heavy-duty off-highway transmissions, drive trains, hydraulic systems, final drives, transfer boxes, differential gears and reduction gears.

SAE 5W-30

CAT TO-4, TO-4M; ZF TE-ML 03C; Allison C-4

OSCAR HDM APPLICATIONS EXAMPLE

Heavy Duty, Off-Road, Mining Machineries

HDM



HYDRAULICS

Oscar HDM TFX 10W TO-4

ENGINE

Oscar HDM Zircon Starlight
15w40



ENGINE COOLANT

Oscar HDM Coolant 6210

GREASE POINTS

Winter(up to -50°C):
Oscar HDM Pyrox
Complex Moly EP 0
Oscar HDM Pyrox SYN
Complex Moly EP0
Summer: Oscar HDM Pyrox
Complex Moly EP1



TRANSMISSION

Oscar HDM TFX 30 TO-4

FINAL DRIVE

Oscar HDM TFX 30 TO-4



OSCAR HDM PRODUCTS SUMMARY



Description	Viscosities available	Specifications
Oscar HDM HydraXP Hydraulic Fluids		
Oscar HDM HydraXP AW series High performance demulsifying AW/EP hydraulic and general lubricating oil	ISO VG 15, 22, 32, 46, 68, 100, 150; SAE 10W	DIN 51524 Part 1 and 2 (HL, HLP); ISO 6743/4 (HM), ISO 11158 (HM)
Oscar HDM HydraXP HLPD series High detergent HLPD/EP general lubricating and hydraulic oil with excellent corrosion protection.	ISO VG 15, 22, 32, 46, 68, 100, 150	DIN 51524 Part 2 (HLP)
Oscar HDM HydraXP HVLPD series High viscosity index, high detergent HLPD/EP general lubricating and hydraulic oil with excellent corrosion protection, customized for cold conditions.	ISO VG 32, 46, 68	DIN 51524 Part 1, 2 and 3 (HL, HLP, HVLP); ISO 6743/4 (HV), ISO 11158 (HV)
Oscar HDM HydraXP HVI series High viscosity index, high performance demulsifying AW/EP hydraulic for cold conditions	ISO VG 32, 46, 68	DIN 51524 Part 1, 2 and 3 (HL, HLP, HVLP); ISO 6743/4 (HV), ISO 11158 (HV)
Oscar HDM HydraXP ZF HVI series Zinc Free, high viscosity index, high performance demulsifying AW/EP hydraulic for cold conditions	ISO VG 22, 32, 46, 68, 100	DIN 51524 Part 2 and 3 (HLP, HVLP); ISO 6743/4 (HM, HV), ISO 11158 (HV); Denison HF-0, HF-1, HF-2; Cincinnati Machine P-68, P-69, P-70
Oscar HDM HydraXP XHVI series Exceptionally high viscosity index, high performance demulsifying AW/EP hydraulic for extreme cold conditions	ISO VG 22, 32	DIN 51524 Part 1, 2 and 3 (HL, HLP, HVLP), ISO 6743/4 (HM), ISO 11158 (HM)
Oscar HDM GemXP Industrial Gear Oils		
Oscar HDM GemXP CLP Demulsifying high performance EP/AW mineral gear oil	ISO VG 68, 100, 150, 220, 320, 460, 680	DIN 51517 Part 3 (CLP); U.S. Steel 224; SEB 181 226; AGMA 250.04, 9005; David Brown S1.53.101
Oscar HDM GemXP SYN CLP Fully synthetic, high-performance EP/AW gear oil based on polyalphaolefins (PAO).	ISO VG 150, 220, 320, 460, 680	API GL-5; DIN 09-3:2018-51517; AGMA 9005-F16; ISO L-CKD (ISO 1:2018-12925), ISO L-CKB (ISO 1:2018-12925)
Oscar HDM GemXP SYN CLPHD Synthetic industrial gear oils designed to provide outstanding protection of gears and bearings. High viscosity index allows operation at both high and low temperatures. Recommended for use in modern, highly loaded gearboxes used in the paper, steel, oil, textile, lumber and cement industries where gear protection and optimum oil life are required but also plastic extruder gearboxes.	ISO VG 150, 220, 320, 460, 680	AGMA 9005-F16; DIN 51517 Part 3 (CLP); ISO 12925-1 Type CKD; ISO L-CTPR (ISO 12925-1: 2018)

OSCAR HDM APPLICATIONS EXAMPLE

Heavy Duty, Off-Road, Mining Machineries

HDM



GREASE POINTS

Winter (up to -50°C):
Oscar HDM Pyrox
Complex Moly EP 0
Oscar HDM Pyrox SYN
Complex Moly EP0
Summer: Oscar HDM Pyrox
Complex Moly EP1

HYDRAULICS

Oscar HDM TFX 10W TO-4



ENGINE COOLANT

Oscar HDM Coolant 6210



ENGINE

Oscar HDM Zircon
Starlight XT 10W30



SWING GEAR TEETH

Oscar HDM Pyrox Complex 460



SWING GEARBOX

Oscar HDM TFX 50 TO-4



TRANSMISSION

Oscar HDM TFX 10W TO-4



OSCAR HDM PRODUCTS SUMMARY



Description

Viscosities available

Specifications

Oscar HDM Heat Transfer and Circulation Fluids

Oscar HDM Heat Transfer Fluid

Intended for use in closed indirect heating installations. It is recommended for use in cold-oil sealed, indirect heating and cooling systems in all kinds of industrial processes.

ISO VG 32, 46

Open installations with bulk temperature up to 275°C.
Closed installations with bulk temperature up to 315°C.

Oscar HDM PMO

Circulating oils series for paper machine. It can be used in wet end, dry end, press sections and calendar circulation oil systems. Also provide maximum protection of gears and bearings operating under severe conditions.

ISO VG 150, 220

DIN 51517-3, DIN 51524-2

Oscar HDM Circulation

Heavy duty circulating oils designed for the demands of no-twist rod mills. Also, can be used for circulation systems lubricating gears and bearings.

ISO VG 100, 150, 220

NTMO 100: DANIELI Type 21-0.597654.F BGV No Twist Stand Block-TMB/TFS Rev 15 Morgan No-Twist® Mill Oil Quality Specification.
BRB 220: DIN 51517-2:2018-09; SMS Siemag Morgoil-Lubricant Spec Adv Lubricant SN 180 Part 4: 2016-04; SMS Siemag Morgoil-Lubricant Spec Std Lubricant SN 180 Part 3: 2016-04

Oscar HDM Compressor and Turbine oils

Oscar HDM Compressor Oil

Formulated with high-quality mineral base oils and a high-performance additive system to provide exceptional equipment protection and reliability for compressors operating under mild to severe conditions.

ISO VG 32, 46, 68, 100, 150

DIN 51 506 VDL

Oscar HDM SYN Compressor Oil

fully-synthetic oils for severe-duty rotary screw and vane air compressors.

ISO VG 32, 46

DIN 51 506 VDL

Oscar HDM Turbine oils

For gas and steam turbines, also with gearboxes and as a control fluid for turbine plants and turbo compressors

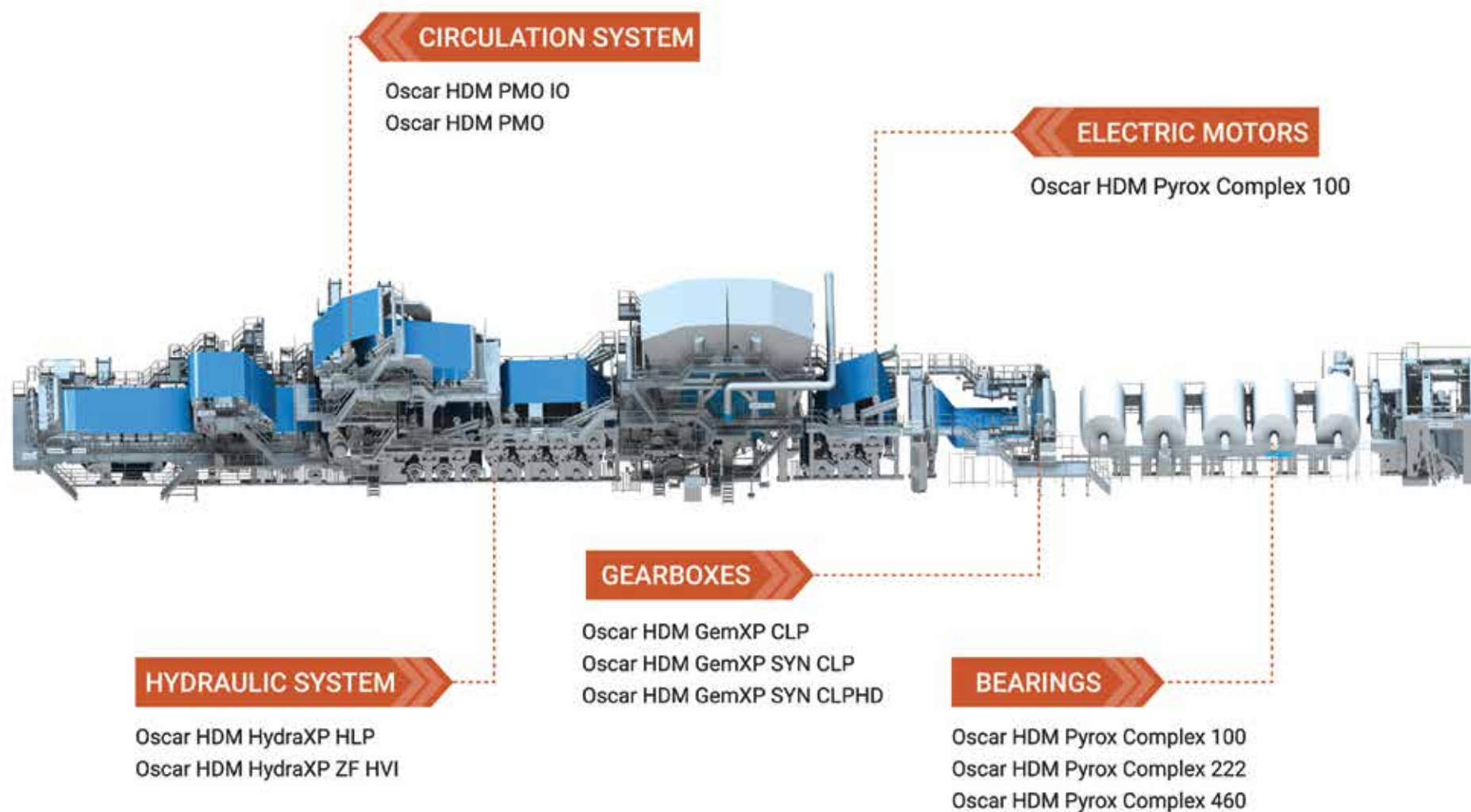
ISO VG 32, 46

DIN 51515-1:2010-02; DIN 51515-2:2010-02; Siemens TLV 9013 04; Siemens TLV 9013 05; GE Power/Alstom Power HTGD 90117

OSCAR HDM APPLICATIONS EXAMPLE

Paper Industry

HDM



OSCAR HDM PRODUCTS SUMMARY



Description

Specifications

Oscar HDM Coolants

Oscar HDM Coolant 6210

Coolant designed in accordance with ASTM D6210 for Heavy-Duty Engines.

ASTM D6210, D3306, D4985; Caterpillar EC-1 (Sections 2.3 – 4.5 incl.); Cummins Bulletin 3666132; Daimler Chrysler MS-9769; Detroit Diesel 7SE298 /93K217; Freightliner 48-22880; General Motors 1825M, 1899M, Heavy Truck; JIS K 2234; John Deere JDM H24; Land rover; Mack Truck 014GS 17004; MAN 324; Mercedes-Benz DBL 7700; MTU MTL 5048; PACCAR CS0185; Peterbilt 8502.002; SAE J1034; TMC RP 329; Volvo Heavy Truck.

Oscar HDM Coolant G11

Coolant for use in all makes and models of cars, both automotive engines and heavy-duty diesel engines.

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; Ford New Holland 9-86; John Deere H-5; Mack Truck 014GS17004; ATA RP 302A; G11

Oscar HDM Coolant G12

full mono ethylene glycol-based coolant for a liquid cooled crankcase system. It contains anti-corrosion and anti-rust additives based on OAT technology.

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

Description

Viscosities available

Specifications

Others

Oscar HDM Air Tool Lubricant

Products intended for the lubrication of pneumatically operated rock drills in underground and surface mining operations.

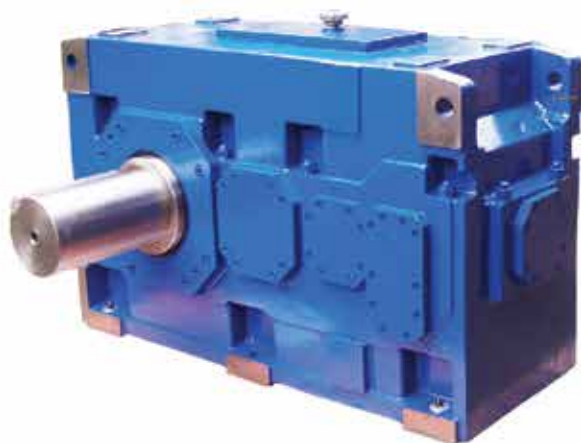
ISO VG 32, t46

ISO 6743-11 type PAC and PBC

OSCAR HDM APPLICATIONS EXAMPLE

Industrial gears, compressors and turbines

HDM



GEAR BOX

Oscar HDM GemXP CLP
Oscar HDM GemXP SYN CLP
Oscar HDM GemXP SYN CLPHD

SCREW-ROTOR COMPRESSOR

Oscar HDM SYN Compressor Oil



GAS OR STEAM TURBINES

Oscar HDM Turbine Oil TO
Oscar HDM Turbine Oil TOXP



Oscar HDM Pyrox Greases

Tailor made solutions for Heavy-Duty, Mining, Industrial and Marine Applications



OSCAR HDM APPLICATIONS EXAMPLE



Description

Specifications

Oscar HDM Pyrox Industrial Greases

Oscar HDM Pyrox Greases

Oscar HDM Pyrox Grease EP is a family of multipurpose extreme pressure lithium greases. Recommended for most types of industrial applications including heavy-duty applications where high unit pressures or shock loads are present. These lithium hydroxystearate greases are formulated to provide protection against wear, rusting and water washout.

Name	Oscar Pyrox Grease EP 0	Oscar Pyrox Grease EP 1	Oscar Pyrox Grease EP 2
Grade	NLGI 0	NLGI 1	NLGI 2
Thickener type	Lithium	Lithium	Lithium
Color	Red	Red	Red
Dropping Point, °C, ASTM D2265	190	190	min. 190
Four-Ball Extreme Pressure Test, Weld Point, kgf, ASTM D2596	250	250	280-300
Penetration, 60X, 0.1 mm, ASTM D217	370	325	256-295
Viscosity @ 40 C, Base Oil, mm2/s, ASTM D445	160	160	165

Oscar HDM Pyrox Complex Greases

Grease family based on mineral base oil with lithium complex thickener. Designed for the lubrication various applications in all types of operating conditions, but particularly where the operation temperature is high and the use of conventional lithium greases is limited.

Name	Oscar Pyrox Complex EP 1	Oscar Pyrox Complex EP 2
Grade	NLGI 1	NLGI 2
Thickener type	Lithium Complex	Lithium Complex
Color	Dark blue	Dark blue
Dropping Point, °C, ASTM D2265	270	275
Four-Ball Extreme Pressure Test, Weld Point, kgf, ASTM D2596	315	280-300
Penetration, 60X, 0.1 mm, ASTM D217	325	280
Viscosity @ 40 C, Base Oil, mm2/s, ASTM D445	165	220

Oscar HDM Pyrox Complex Moly Greases

Specifically designed for the lubrication of extra heavy-duty off-highway and mining equipment. This lithium complex grease, containing 5% molybdenum disulfide, can be used in bucket pins, pivot pins and highly loaded chassis components, central lubrication systems for heavy equipment and for general purpose chassis lubrication.

Name	Oscar Pyrox Complex Moly EP 0	Oscar Pyrox Complex Moly EP 1
Grade	NLGI 0	NLGI 1
Thickener type	Lithium Complex	Lithium Complex
Color, Visual	Gray-Black	Gray-Black
Molybdenum Disulfide Content, wt %	5	5
Dropping Point, °C, ASTM D2265	200	270
Four-Ball Extreme Pressure Test, Weld Point, kgf, ASTM D2596	315	400
Penetration, 60X, 0.1 mm, ASTM D217	370	325
Viscosity @ 40 C, Base Oil, mm2/s, ASTM D445	100	320

OSCAR HDM PRODUCTS SUMMARY



Description

Specifications

Oscar HDM Pyrox Industrial Greases

Oscar HDM Pyrox SYN Complex Moly Greases

Specifically designed for the lubrication of extra heavy-duty off-highway and mining equipment. This lithium complex grease, containing 5% molybdenum disulfide, can be used in bucket pins, pivot pins and highly loaded chassis components, central lubrication systems for heavy equipment and for general purpose chassis lubrication.

Name	Oscar Pyrox SYN Complex Moly EP 0
Grade	NLGI 0
Thickener type	Lithium Complex
Color, Visual	Black
Molybdenum Disulfide Content, wt %	5
Dropping Point, °C, ASTM D2265	223
Four-Ball Extreme Pressure Test, Weld Point, kgf, ASTM D2596	500
Penetration, 60X, 0.1 mm, ASTM D217	357
Viscosity @ 40 C, Base Oil, mm2/s, ASTM D445	68

Oscar HDM Pyrox Complex 100, 222, 460

Family of synthetic greases with lithium complex thickener. Recommended for higher speed applications such as electric motors, where reduced friction, low wear and long service life are required. Oscar HDM Pyrox Complex 222 recommended for heavy-duty automotive and industrial applications. Oscar HDM Pyrox Complex 460 recommended for tough industrial application. Due to its high load-carrying capacity, this grease can be used in excavator slewing gear ring, paper machine bearings, and heavy-duty marine bearings.

Name	Oscar Pyrox Complex 100	Oscar Pyrox Complex 222	Oscar Pyrox Complex 460
Grade	NLGI 2	NLGI 2	NLGI 2
Thickener type	Lithium Complex	Lithium Complex	Lithium Complex
Color	Dark blue	Dark blue	Dark blue
Dropping Point, °C, ASTM D2265	265	290	265
Four-Ball Extreme Pressure Test, Weld Point, kgf, ASTM D2596	250	315	250
Penetration, 60X, 0.1 mm, ASTM D217	280	280	305
Viscosity @ 40 C, Base Oil, mm2/s, ASTM D445	100	220	460

Oscar HDM Pyrox Chassis Greases

Semi-fluid grease based on synthetic oils in the consistency group NLGI 00-000. Specifically developed for central lubrication systems. Contains anti-oxidants, corrosion inhibitors, extreme pressure and anti-wear additives. Exhibits excellent flow even at very low temperatures and in long pipelines. Recommended for applications that require: MB 264.0; MAN 283 Li-P 00/000.

Name	Oscar Pyrox Chassis
Grade	NLGI 00-000
Thickener type	Lithium
Color	Brown
Dropping Point, °C, ASTM D2265	>160
Four-Ball Extreme Pressure Test, Weld Point, kgf, ASTM D2596	220
Penetration, 60X, 0.1 mm, ASTM D217	435-445
Viscosity @ 40 C, Base Oil, mm2/s, ASTM D445	42

NOTES

HDM



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