

Oscar HDM TFX FDAO 60

PRODUCT DESCRIPTION

Oscar HDM TFX FDAO 60 is a premium, heavy duty, SAE 60 gear lubricant specifically designed for use in final drives and axles of modern Caterpillar off-road equipment operating in severe service, where fluids meeting Cat FD-1 are recommended.

APPLICATION

- Final drives, axles, differentials and front wheels of Caterpillar equipment where FD-1 performance fluid is specified.
- Caterpillar heavy-duty off-highway haul trucks.
- Caterpillar wheeled and track-type tractors.
- Unlike conventional TO-4 type fluids, it is generally not suitable for powershift transmissions or for oil immersed brakes or clutches, unless recommended by Caterpillar, due to different frictional characteristics. Caltex Torque Fluid 4N4 series should be recommended for Caterpillar powershift transmissions, hydraulics and wet brake applications requiring TO-4 type lubricants.

PROPERTIES

Extends equipment life in severe service:

Advanced additive system minimizes wear in heavily loaded gears and bearings by forming a strong protective layer on metal surfaces under extreme service conditions.

Prolongs oil life:

Extremely high thermal and oxidation stability protects against oil thickening and deposit formation and extends oil drain interval by up to 100% compared to conventional TO-4 type fluids.

Minimizes unscheduled maintenance:

Effective rust and corrosion inhibitors protect final drive components. Good viscosity characteristics at low temperatures ensure rapid oil circulation on start-up, preventing damaging wear.

Trouble-free operation:

Fully compatible with all seal materials and with TO-4 type oils, eliminating risk of operational problems when converting to new lubricant.

TYPICAL PROPERTIES

Oscar HDM TFX FDAO		
Typical Properties	SAE Grade	60
	Performance level	FD-1
Test Parameters	ASTM Method	Typical Values
Density @ 15°C, kg/l	ASTM D1298	0.90
Viscosity @ 100°C, cSt	ASTM D445	25
Viscosity @ 40°C, cSt	ASTM D445	335
Viscosity Index	ASTM D2270	95
Flash Point, °C	ASTM D92	Min. 230
Pour Point, °C	ASTM D97	-18

The values shown above are typical values at the date of publication. Oscar Lubricants reserves the right to change these typical values without prior notice

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website www.oscarlubricants.com