

## Oscar HDM TFX 5W30 TO-4M

### PRODUCT DESCRIPTION

Oscar TFX SAE 5W30 TO-4M is a multipurpose heavy duty powershift transmission and drive train lubricant designed and recommended for applications meeting the performance requirements of the Caterpillar TO-4 and TO-4M specifications Allison C-4 specification and Komatsu specification.

### APPLICATION

- Heavy duty transmissions, gear boxes, final drives, and hydraulic systems used in off-highway applications
- Meets the performance requirements of the Caterpillar TO-4 and TO-4M specifications, Allison C-4 specification and Komatsu specification.
- Meets the requirements of ZF TE-ML03 for use in ZF torque converter transmissions in city buses, off-road machines, lift trucks, specialty vehicles and other such equipment

### PROPERTIES

- Optimized clutch-friction retention and slippage control
- Compatible with modern clutch materials and elastomers
- Longer clutch life and higher performance
- A multi-viscosity product with improved performance over a wide temperature range. It provides both excellent high temperature film thickness and low temperature pumpability for wear protection under severe load conditions.
- Protection against gear wear, rust, corrosion, foaming and oxidation.

### TYPICAL PROPERTIES

Oscar HDM TFX SAE 5W30 TO-4M		
Typical Properties	SAE Grade	5W30
	Performance	TO-4M
Test Parameters	ASTM Method	Typical Values
Density @ 15°C, kg/l	ASTM D1298	0.870
Viscosity @ 100°C, cSt	ASTM D445	14.6
Viscosity @ 40°C, cSt	ASTM D445	115
Viscosity Index	ASTM D2270	Min. 130
Flash Point, °C	ASTM D92	Min. 230
Pour Point, °C	ASTM D97	-45

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](http://www.oscarlubricants.com)