



## Essotrans Series 10W, 30, 50, 60

### Heavy Duty Transmission and Drivetrain Lubricants

#### Product Description

Essotrans 10W, 30, 50, and 60 are premium, heavy duty transmission and drivetrain lubricants formulated as the right choice to meet the rigorous specifications required by Caterpillar TO-4. This product line is uniquely designed to provide reliable lubrication of powershift transmissions, gearboxes, and final drives. In hydraulic applications, they provide maximum protection even in high pressure systems.

Essotrans series combine selected base oils and a high quality additive system to provide the protection your equipment needs while delivering the efficiency to maximise the productivity of construction, quarrying, and mining equipment operating under tough conditions. These products offer a clear advantage over the use of mixed fleet engine oils and previously used lubricants meeting Caterpillar TO-2.

#### Features and Benefits

- Provides significantly improved clutch life compared to the best API CD/TO-2 engine oils
- Compatible with modern clutch elastomers providing longer life
- Improves productivity under the toughest conditions through reduced gear wear in transmissions, gearboxes, and final drives
- Reduces wet brake chatter with excellent foam control
- Extends pump life by reducing wear and temperature oxidation resistance

#### Applications

- Heavy-duty transmissions, gear boxes, final drives, and hydraulic systems used in off highway applications
- Off-highway industries including: mining, construction, quarrying, and agriculture
- Manual, powershift, and automatic transmissions where Allison C-4 fluids (SAE 10W and 30 grades) are called for including Twin Disc and transmissions calling for Type F fluids
- Suitable for most mobile equipment hydraulic applications

#### Specifications and Approvals

Essotrans monogrades meet the requirements of the following specifications:				
	10W	30	50	60
Caterpillar TO-4	X	X	X	X
Essotrans monogrades have the following builder approvals:				
	10W		30	
ZF-TE-ML 03C	X		X	
Essotrans monogrades are recommended by ExxonMobil for use in applications requiring:				
	10W		30	
Allison C-4	X		X	

## Typical Properties

<b>Essotrans Monogrades</b>				
SAE Grade	10W	30	50	60
Viscosity, ASTM D 445				
cSt @ 40°C	42	100	195	340
cSt @ 100°C	6.3	11.2	18.0	25.2
Viscosity Index, ASTM D 2270	96	97	100	96
Pour Point, °C, ASTM D 97	-33	-18	-15	-12
Flash Point, °C, ASTM D 92	202	224	240	244
Density @ 15°C kg/l, ASTM D 4052	0.89	0.89	0.91	0.91

## Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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Due to continual product research and development, the information contained herein is subject to change without notification. Typical Properties may vary slightly.

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