



TRANS (DIESEL ENGINE OIL)

Introduction:

Motorol TRANS 10W & 30 are blended from high viscosity index base stocks and select additive package with excellent detergent – dispersant properties that ensure better performance and engine cleanliness. Recommended for heavy duty diesel vehicles, Off– highway equipments, transmission /hydraulic system of tractors, caterpillar equipment and large diesel generating sets.

Applications:

- ◆ All new generation Turbo charged diesel engines.
- ◆ Commercial road transport vehicles of reputed OEMs
- ◆ Recommended for various off highway equipments like tractors,tillers, heavy earth moving and DG sets..

Advantages:

- ◆ Increases engine life
- ◆ Reduces wear of engine & pump components.
- ◆ Reduces maintenance cost
- ◆ Provides smoother operation

Performance Standard:

API CD, US MIL-L-45199B, Caterpillar Series 3, E-DL 2 of IS:13656-2002

Typical Specifications:

Sr. No.	Characteristics	Test Method	10W	30
1	Appearance	VISUAL	Bright & Clear	Bright & Clear
2	Colour, Max	ASTM D 1500	3	3
3	Kinematic Viscosity at 100°C, cSt	ASTM D - 445	5 - 6	10 - 12
4	Viscosity Index, Min	ASTM D - 2270	100	95
5	TBN, mg KOH/g	ASTM D - 2896	9 - 11	9 - 11
6	Flash Point, (COC), °C Min	ASTM D - 92	190	200
7	Pour Point, °C Max	ASTM D - 97	(-) 21	(-) 6

Environment, Health & Safety:

Every care has been taken to ensure the accuracy of the information in this PDS. This however may be affected by subsequent improvement in product (R&D). MSDS is available for all MOTOROL products on request.

MOTOROL products are unlikely to present any health and safety hazard with proper use for the correct application and maintain proper personal hygiene. Do not Spill oils on the shop floor, discharge into drains ,ground or water sources.