

## GRENVO PROTEUS TS 30

Off-highway transmissions come in a huge variety owing to rapid strides made in development of heavy-duty applications. Need is felt to develop more effective transmission oils superseding Caterpillar TO-2 type of oils. Multi-fuel, multi-vehicle mixed fleet usage requires versatile “Transmission and Drivetrain” oils. Grenvo Proteus TS 30 is developed for such purpose.

Grenvo Proteus TS 30 is made of highly refined paraffinic base oils of high Viscosity Index. They are compounded with high-technology driven field-tested additives to provide wider fleet coverage and long equipment life.

### Approvals & Recommendations

Grenvo Proteus TS 30 is made to meet or exceed the following.

API: GL-4	Allison TES-439
Allison C4	Caterpillar TO-2
Caterpillar TO-4	Caterpillar TO-4M
I-286-S	Komatsu KES 07.868.1
M-2950-S	Hydraulic Applications: Suitable
ZF TE-ML 07D	ZF TE-ML 07F

TO-4 Applications of Eaton-Fuller Dana, Euclid, Tremac / TTC

### Features/Benefits

High performance in hydraulics, transmissions and drivetrains of construction, agriculture, quarrying & mining industries.

Special suitability in applications requiring high static frictional characteristics and applications such as wet brakes; ensures precise and slippage control.



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# PRODUCT DATA SHEET



Reduced downtime enhances productivity, equipment & component life.

Outstanding yellow metal protection. Superior wear protection.

Suitable for high load carrying and arduous work situations of multiple sites.

Thermal & Shear stability in tough conditions.

## Application

Demanding application needs of multiple, modern transmission systems, oil immersed brake and hydraulic systems, heavy duty off-highway machine, final drives and many hydraulic systems.

Applications include power-shift transmissions, gear boxes, hydraulics and final drives.

Manual power-shifts & Automatic Power Transmissions where Allison C-4 oils are being used.

## Typical Specifications

KV, cSt, 40 Deg C	ASTM D445	97
Viscosity Index	ASTM D2270	96
Pour Point, Deg C	ASTM D97	(-) 24
Copper Corrosion	ASTM D130	1
KV, cSt, 100 Deg C	ASTM D445	11
Flash Point, Deg C	ASTM D92	212
Density @ 15 Deg C	ASTM D4052	0.886



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