

PRODUCT DATA SHEET

TRANSGEAR EP SAE 140

Description:

TRANSGEAR EP GEAR OILS are high quality, Extreme Pressure Automotive Gear Oils. These oils are blended from solvent refined high viscosity group-I base stocks having inherent oxidation stability and with extreme pressure additive. These oils possess good channeling property contains anti rust, anti corrosion inhibitors to provide good performance at variety operating conditions. Available in the viscosity grade of SAE 140

Specification:

Meets :- - IS :1118 – 1992*, API Service GL – 4

Available in packs of Bulk, 210, 50,20,10, 5LTR ,1 LTR & 500ml.

Application:

TRANSGEAR EP GEAR OILS are high quality lubricating oils. Primarily intended for use in automotive hypoid gear units, manual transmissions, final drives, steering gears and fluid lubricated universal joints of automotive equipment. Channel temperature is a measure of relative fluidity. A gear lubricant should be fluid enough at the lowest- expected ambient temperature, so that it will flow readily to moving parts and envelop them, rather than pushed aside to form a channel, in which the gearing assembly turns, substantially free of protective lubricant. The channeling characteristic of any gear lubricant is a resultant of both its low temperature is usually lower than pour point temperature, sometimes by as much as 15 ° F (8 °C) for a specific product.

Performance benefits:

- Provide extra protection for gear systems and long life to gear components due to good EP characteristics.
- Provide long service life even at high temperatures due to its high thermal oxidation stability.
- Provide good protection against rusting of ferrous parts by moisture due to condensation.
- Provide smooth gear shifting under all driving conditions.

Physiochemical characteristics:

CHARACTERISTIC	TEST METHOD (IS : 1448)	IS:1118 SAE140	SAE140
1. Appearance	Visual	C & B*	C & B*
2. Kinematic viscosity, Cst at 100°C	P : 25	24 – 41	27- 32
3. Viscosity index, Min	P : 56	80	85
4. Flash Point, °C Min	P : 69	190	190
5. Pour Point, °C Max	P : 10	--	-3
6. Copper strip corrosion, Max	P : 15	Not worse than No.2 300/NIL	Not worse than No.2 300/NIL
7. Foaming characteristics,	P : 67	50/NIL 300/NIL	50/NIL 300/NIL
8. Channel Point	--	Pass at - 7°C	Pass at - 7°C

* Clear, bright and free from turbidity and sediment.

+ Performance Additives are blended at recommended treatment level in the above base stocks to meet VAV-382, Four ball weld load tribological test requirements.

Channel point test will be conducted at CIRT, Pune if specific requirement of customer for SAE 140 channel point was expected as per the above definition

NOTE: - 1. The above data is indicative values only. Minor variations, which do not affect product performance or quality, may be expected in manufacture.

2. Specific requirements shall be custom made on request.