

Synthetic Long Drain Gear Oils

Hartland Synthetic Long Drain Gear Oils are made from Group IV-based full-synthetic oil engineered for excellent wear protection of gears during the long drain intervals established by original equipment manufacturers (OEM) for differentials in over-the-road trucks; class 6, 7 and 8 vocational service truck and off-road equipment.

Product Benefits

- Provides 500,000 mile service life in long-haul trucks (following OEM guidelines)
- Formulated with extreme-pressure additives to protect heavily loaded gears
- Excellent high-and low-temperature performance
- Maintains gear and bearing cleanliness
- Designed to extend seal life and reduce leaks
- Protects against rust and copper corrosion

Hartland Synthetic Long Drain Gear Oils are formulated to meet or exceed the following specifications:

- API GL-5 & MT-1
- MIL-PRF-2105E
- Mack GO-J Plus
- Dana SHAES 256 (formerly Eaton PS-163)
- Arvin/Meritor 0-76N (75W-90)
- Arvin/Meritor 0-80 (80W-140)
- International (Navistar) TMS-6816

TECHNICAL PROPERTIES

SAE Viscosity Grade	75W-90	80W-140
Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	14.5	26.4
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	106.2	271.2
Viscosity Index (ASTM D-2270)	140	127
Flash Point °C (°F) (ASTM D-92)	218 (424)	220 (428)
Fire Point °C (°F) (ASTM D-92)	2228 (442)	230 (446)
Pour Point °C (°F) (ASTM D-97)	-43 (-45)	-37 (-35)
Copper Corrosion 121°C (250°F) 3 hr. (ASTM D-130)	1b (Pass)	1b (Pass)
Foam Tendency Sequence I/II/III (ASTM D-892)	0/0/0 (Pass)	0/0/0 (Pass)
Brookfield Viscosity (ASTM D-2683)	128,300 @ -40°C	92,900 @ -26°C