



S-OIL SEVEN GEAR TO-4

HIGH PERFORMANCE LUBRICANTS for OFF-HIGHWAY EQUIPMENTS and HYDRAULIC SYSTEM

Product Description

S-OIL 7 GEAR TO-4 is high performance lubricants which is formulated with very stable base oil and advanced additive technology for reliable operation of heavy-duty equipment. It can be used when manufacturer recommends a lubricant meeting the Caterpillar TO-4, Allison C-4, Komatsu and other off-highway equipment requirement.

Applications

- Heavy-duty off-highway equipment’s powershift, final drive, wet brake and hydraulic system
- Heavy-duty diesel engine oil requiring API CF/CF-2
- Other applications where manufacturers recommends a fluid meeting Caterpillar TO-4/TO-4M, Allison C4 specification

Features and potential benefits

- **Excellent low temperature fluidity**
 - It provides smooth start-up performance and hardware protection in cold condition
- **Reduced maintenance cost**
 - Maximized oil life from very good oxidation stability, resistance of sludge, varnish, deposit formation
 - Latest corrosion inhibitor provides reliable protection of critical part in heavy-duty equipment
- **Reliable wear protection performance**
 - It doesn’t contain viscosity index improver made from polymer. So It provides consistent film thickness
 - Proven anti-wear performance provides extreme protection characteristics beyond Caterpillar TO-4 requirement
- **Operational convenience**
 - It provides optimized friction properties, so operator can feel comfortable and reliable

Performance level

- Caterpillar TO-4/TO-4M
- ZF TE-ML-03C/07F
- Allison C4
- Komatsu KES 07.861.1
- API MT-1
- API CF/CF-2

Typical Properties

Test Items	Method	Unit	10W	30	40	50
Specific gravity	ASTM D1298	-	0.8810	0.8913	0.8968	0.8991
Viscosity	40°C	ASTM D445	38.43	93.69	144.50	205
	100°C	ASTM D445	6.214	11.13	14.42	18.15
Viscosity index	ASTM D2270	-	109	105	98	97
Flash point	ASTM D92	°C	228	260	262	268
Pour point	ASTM D97	°C	-32	-26	-21	-18

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This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet is obtainable via your commercial adviser.