

FULL SYNTHETIC TO-4 ALL SEASON

MOLEC[®] FULL SYNTHETIC TO-4 ALL-SEASON oil is a high-performance drive train oil that provides exceptional protection and durability in off-road equipment, especially in applications where extremely low ambient temperatures are encountered. It is designed specifically for modern heavy-duty transmissions and can be used in final drives, wet brakes and torque converters. It improves power throughput density, which helps eliminate brake chatter, clutch wear and mechanical shudder.

TECHNICAL DATA

SPECIFICATIONS	ASTM	ALL SEASON
Color		Amber
SAE Grade		5W-30
Relative Density @ 60°F/60°F,	ASTM D1298	0.854
Viscosity @ 100°C, cSt,	ASTM D445	10.5
Viscosity @ 40°C, cSt,	ASTM D445	58.0
Viscosity Index	ASTM D2270	172
Viscosity-CCS @ -35°C, cP,	ASTM D5293	-
Viscosity-CCS @ -30°C, cP,	ASTM D5293	6,000
Flash Point °C (°F) (COC),	ASTM D92	226 (439)
Pour Point °C (°F),	ASTM D97	-48 (-54)
Rust Test 4 hrs @ 60°C, DI H2O,	ASTM D665A	Pass
Rust Test 4 hrs @ 60°C, Sea H2O,	ASTM D665B	Pass
Foaming Characteristics @ 24°C; 93.5°C; 24°C, 3 sequences, tendency/stability-break, ml/ml-sec,	ASTM D892	0/0-0; 20/0-10; 0/0-0

BENEFICIAL QUALITIES:

- Wide operating temperature performance
- Consolidate the number of fluids on your equipment
- Exceptional shear stability, Maintains effective viscosity and film strength during severe operation
- Outstanding clutch friction retention & slippage control & brake life
- Excellent anti-chatter brake performance
- Great hydraulic responsiveness

INDUSTRY & OEM SPECIFICATIONS:

- Caterpillar TO-4, TO-2
- Komatsu Equipment KES 07.868.1
- Komatsu Micro-Clutch
- Dana Powershift
- Eaton Fuller
- Tremac/TTC
- Allison C4, C3 (obsolete)
- Vickers M-2950-S

AVAILABLE PACKAGING: 18.9L Pails

PRODUCT CODE: 50896

SPECIFICATION CONSOLE

POUR POINT



-48C

VISCOSITY INDEX



172

VISCOSITY @100C



10.5

INDUSTRIES



CONSTRUCTION



MINING



FORESTRY

⚠ WARNING!

Prolonged or repeated skin contact may cause irritation. Use protective wear to avoid eye and skin contact. Wash thoroughly after use. For skin contact, wash with soap and water. If swallowed, seek medical attention immediately. For eye contact, flush with water for 15 minutes and contact a physician. For additional information read the Safety Data Sheet for this product. **KEEP OUT OF REACH OF CHILDREN.**