

THRIVE™ SYNTHETIC High Performance Diesel Engine Oil

Description

THRIVE™ Synthetic Diesel Engine Oil is a highly functional synthetic engine oil engineered for a wide range of applications. It is formulated to create a balanced package that helps extend equipment life and improve productivity. This oil is engineered for use in a wide range of on- and off-road applications and operating environments including over-the-road transport, construction and agriculture.

THRIVE™ Synthetic Diesel Engine Oil meets pre-2006 specifications for diesel engines (API CI-4+), gasoline engines (API SL), certain hydrostatic transmission and hydraulic systems and other applications where appropriate.

THRIVE™ Synthetic Diesel Engine Oil's superior viscosity index provides excellent all-temperature performance. The inherent capabilities of these fluids resist oxidation and fluid thickening in high-temperature service and also have outstanding cold-temperature performance to improve cold starts and engine operability. The high dispersant/detergent additive package minimizes soot thickening and neutralizes acids.

Physical, Chemical & Performance Properties

Product	10W40	15W50
Product Number	044	059
Viscosity @ 100°C, cSt	15.1	18.7
Viscosity @ 40°C cSt	99.6	131.7
Viscosity Index	160	160
CCS, cP	5830 (-25)	5701 (-20)
Density, lb/gal	7.176	7.184
Color	L4.5	L4.5
Flash Point, °C (°F) (COC)	228 (442)	234 (453)
Fire Point, °C (°F) (COC)	244 (471)	252 (486)
Pour Point, °C	-38 (-36)	-36 (-33)
TBN	11.0	11.0
Four Ball Wear Test 40 kg, 1200 rpm 75°C, 1 hr.	0.40	0.40

Features/Benefits

- ✓ **High TBN**
Extends oil life by neutralizing acids that enter the fluid.
- ✓ **High Zinc and Phosphorus Content**
Excellent anti-wear protection.
- ✓ **Low Volatility**
Limits oil consumption, reduces emissions.
- ✓ **Formulated with Synthetic Base Oils**
Improves oxidation resistance and cold temperature performance.
- ✓ **High Dispersant Levels**
Minimizes soot thickening.
- ✓ **Shear Stable**
Enhances viscosity retention.
- ✓ **Seal Friendly**
Prevents leaks and extends seal life.

Specifications

- ✓ **API CI-4+ /SL**
- ✓ **MB 228.1, 228.3, 229.1**
- ✓ **CAT ECF-1a, ECF-2**
- ✓ **Detroit Diesel Guard 93K214**
- ✓ **Global DHD-1**
- ✓ **Cummins CES 20071, 20072, 20076, 20077, 20078**
- ✓ **JASO DH-1**