

# THRIVE™ SEMI-SYNTHETIC High Performance Diesel Engine Oil

## Description

**THRIVE™ Semi-synthetic 15W40 Diesel Engine Oil** is a highly functional, semi-synthetic oil engineered for four-stroke diesel applications. It is formulated with a blend of premium synthetic and conventional base oils to enhance performance and productivity of heavy duty diesel engines. It is engineered for use in a wide range of on- and off-road applications and operating environments including transport, construction and agriculture.

**THRIVE™ Semi-synthetic 15W40 Diesel Engine Oil** is formulated to meet pre-2006 specifications for diesel engines (API CI-4+) and is suitable for gasoline engines (API SL) where suitable.

**THRIVE™ Semi-synthetic 15W40 Diesel Engine Oil** has a high viscosity index for all-weather performance. It is resistant to oxidation and fluid thickening in high temperature service. It is also formulated with high dispersant and detergent additives to minimize soot thickening and neutralize acids. It is engineered to resist deposit buildup and provide wear protection in continuous operation.

## Physical, Chemical & Performance Properties

Product Number	054
Viscosity @ 100°C, cSt	15.6
Viscosity @ 40°C cSt	114.9
Viscosity Index	144
CCS, cP	4677 (-20)
Density, lb/gal	7.184
Color	L5
Flash Point, °C (COC)	232
Fire Point, °C (COC)	239
Pour Point, °C	-36
TBN	12.1
Four Ball Wear Test 40 kg, 1200 rpm 75°C , 1 hour	0.35

## Features/Benefits

- ✓ **High TBN**  
Clean engine performance, resists acid buildup.
- ✓ **Synthetic Base Oils**  
Improved oxidation resistance and cold temperature performance.
- ✓ **High Dispersant Levels**  
Minimizes soot thickening and deposit formation.

## Specifications

- ✓ **API CI-4+ /SL**
- ✓ **MB 228.1, 228.3, 229.11**
- ✓ **CAT ECF-1a, ECF-2**
- ✓ **Detroit Diesel Guard 93K214**
- ✓ **MAN 271, 3275**
- ✓ **Volvo VDS-3, VDS02**
- ✓ **Global DHD-1**
- ✓ **Cummins CES 20071, 20072, 20076, 20077, 20078**
- ✓ **JASO DH-1**
- ✓ **Mack EO-N, EO-M Premium Plus**
- ✓ **MTU Type 2, 1**