



# Technical Data

PRODUCT TECH

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## TD-1 SUPER DIESEL MOTOR OIL

SAE: 15W-40

### >>Description

TD-1 is a blend of Group II and Group III base oils, special polymers focused on superior performance and engine protection. The unique detergents and dispersants contained in TD-1 keep sulfated ash to a minimum (low SAPS). TD-1 is fortified with oxidation and corrosion inhibitors, high temperature anti-wear additives and foam inhibitors to protect vital parts during long drain service. TD-1 is designed to provide superior performance in all EPA 2007 and 2010 compliant engines equipped with emission control technologies including Diesel Particulates Filter (DPF), Exhaust Gas Recirculation (EGR) and Selective Catalytic Converter (SCR)



### >>Features

- > Enhanced shear stability performance
- > High TBN with low SAPS
- > Oxidation and corrosion inhibitors
- > Excellent anti-wear protection
- > Extreme soot control
- > Extends oil drain intervals
- > Minimizes sulfated ash

### >>Application

Recommended for all EPA 2007 and 2010 compliant engines using DPF after treatment device and ULSD fuel that specify (API CK-4/CJ-4/SN/CI-4 PLUS)(ACEA E9-16)(CATERPILLAR ECF-3)(CUMMINS CES 20086)(MAC/RENAULT EO-S-4.5/RLN-4)(JASO DH-2)(DDC93K22)(DAIMLER BENZ MB228.31)(MTU TYPE 2.1)(DEUTZ DQC II-10 LA)

### >>Typical/Test Data

SAE Grade	ASTM#	15W-40
Viscosity, Cold Crank	D5293	-20/5,120
Appearance	Visual	Amber
Viscosity @ 100°C	D-445	15.2
Viscosity @ 40°C	D-445	112.7
Viscosity Index	D-2270	142
Pour Point, °C	D-97	-30
Flash Point, °C	D-92	234
TBN	D-2896	10
Sulfated Ash, Wt %		1.0

### >>Directions

Follow manufacturer's fill level requirements. Compatible with other petroleum and synthetic lubricants.

### >>Package Sizes / P/N

SAE Grade	15W-40
4-Liter (4.224 US QT)	A181540FE
6/4-Liter Case	A181540F
5 Gallon Pail	A181540E
55 Gallon Drum	A181540B

## TORCO INTERNATIONAL CORPORATION

1720 South Carlos Avenue, Ontario, CA 91761  
(909) 980.1495 phone | (909) 980.1465 fax  
www.torco.com website | [info@torcousa.com](mailto:info@torcousa.com) email