Heavy Duty Multi Grade Diesel Oil -Fully Synthetic

# **ACER FS**

**SAE 5W40** 

API-CK-4



### **Product Description**

Acer FS 5W40 is a heavy duty engine oil with fully synthetic base oils and additives with advanced additive technology to provide protection against wear, helps extend engine life while providing long drain capability potential fuel economy for modern and latest diesel engine technology operating in severe application. This product is formulated to deliver ex-ceptional performance in modern and older, hard working engines, including those wifemission control system

#### **Benefits**

Acer FS provides the following benefits when used as recommended:

- Enhanced protection against oil oxidation.
- Premium low temperature pump ability.
- · Step out wear protection.
- · Better fuel economy.
- · Improved deposit control.
- · Protection in extreme climates.
- Reduced engine wear to promote long engine life.
- Reliable engine start and wear protection at low temperatures.

# **Application**

Most engine generations up to latest and most sophisticated high performance diesel engines with turbo-charger, direct injection and low emission designs, featuring all types of exhast after-treatment technology.

High performance gasoline engines and mixed fleets Suitable as a replacement for mineral and synthetic based SAE 15W-40

API CK-4. CJ-4 oils in low temperature applications.

#### **Properties**

Meets or exceeds requirements of API CK-4, Cummins, Caterpillar. Detroit Diesel Mack Mercedes Benz & Volvo.

# **Typical Characteristics**

ACER FS	5W40
API Grade	CK-4
Flash Point, °C	233
Pour Point. °C	-50
Viscosity at 40°C. cSt	85
Viscosity at 100°CcSt	13.9
Viscosity Index	150
Total Base No. Min	11.0
Sulfated Ash	1.0

Typical physical characteristics of Vigor are given in the table. These are intended as a guide to the industry and are not necessarily manufacturing or marketing specifications.

	PERFORMANCE LEVEL- MEETS
ACEA E9-16 API SN ALISSON TES -439 Cummins CES 20086 Cummins CES 20087 CAT ECF-3 DUETZ DQC III-Q0LA DETROIT DIESEL DDC 93K3222,93K222 MACK EO-S.4.5 MB APPROVAL 228.31 MAN M3775	API CK-4
API SN ALISSON TES -439 Cummins CES 20086 Cummins CES 20087 CAT ECF-3 DUETZ DQC III-Q0LA DETROIT DIESEL DDC 93K3222,93K222 MACK EO-S.4.5 MB APPROVAL 228.31 MAN M3775	ACEA E7-16
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DETROIT DIESEL DDC 93K3222,93K222 MACK EO-S.4.5 MB APPROVAL 228.31 MAN M3775	CAT ECF-3
MACK EO-S.4.5 MB APPROVAL 228.31 MAN M3775	DUETZ DQC III-Q0LA
MB APPROVAL 228.31 MAN M3775	DETROIT DIESEL DDC 93K3222,93K222
MAN M3775	MACK EO-S.4.5
	MB APPROVAL 228.31
VOLVO VDS-4.5	MAN M3775
	VOLVO VDS-4.5
Renault Truck RLD-3	Renault Truck RLD-3
MTU Type 2.1	MTU Type 2.1

#### **Health & Safety**

Detailed health and safety information for this product is provided in a Material Safety Data Sheet which is available upon request from your Goodyear lubricants sales office, or via the Internet on www.goodyearlubricants.me





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