

# Product

## INFORMATION



### Titan Diesel Plus

Product Code: 103 (Rev. 9 - 01/04)

#### Description

Fuchs Titan Diesel Plus has been specially formulated to possess the high detergency/dispersancy, wear protection and acid neutralizing capacity needed to satisfy the stringent requirements of the new API specification CF-4.

The product fully meets the requirements of engine builders such as Caterpillar, Cummins, Detroit Diesel, Mack, and Mercedes Benz etc.

#### Additional Quality Features:

- Reduces piston crown deposits.
- Minimizes carbon build up behind piston rings.
- Minimizes piston ring sticking tendencies.
- Reduces cylinder bore polishing.
- Reduces oil consumption even after extensive service.

- Keeps engine interiors clean and free of sludge, carbonaceous deposits and lacquer.
- Keeps soot and combustion debris in suspension thus keeping the engine clean.
- Minimizes valve train wear, piston ring and bearing wear resulting in long engine life.

#### Application

Fuchs Titan Diesel Plus can be used in all direct injection (DI) diesel engines in operation today except where SHPD or Zinc free oil is specified by the engine manufacturer.

Fuchs Titan Diesel Plus meets the following performance levels:

API CF-4 / SJ	ACEA E2-96/B2-98/A2-96
VOLVO VDS-2	VW501.01/505.00
MIL-L-2104E	MIL-L-46152E
MB 228.1	MACK EO-K/2
ALLISON C-4	CATERPILLAR TO-2
MAN 271	

#### Product Characteristics\*

PROPERTIES	UNITS	VALUE	TEST METHOD
SAE Grade		15W40 20W50	DIN 51 511
Density @ 35 °C	kg/m <sup>3</sup>	876 891	ASTM D-4052
Viscosity @ -15 °C	mPa s	- 9000	ASTM D-5293
@ - 20 °C		6800	
@ 40 °C	mm <sup>2</sup> /s	115 176	ASTM D-445
@ 100 °C	mm <sup>2</sup> /s	15.24 18.3	ASTM D-445
Viscosity Index		135 115	ASTM D-2270
Flash Point, COC	°C	240 232	ASTM D-92
Pour Point	°C	-24 -18	ASTM D-97
Sulphated Ash	% wt.	1.4 1.4	ASTM D-874
Base Number	mg KOH/g	11 11	ASTM D-2896

\*The information and figures given here are typical of current production and conform to specification, minor variations may occur.