

# VITALTECH

## 15W40

21/11/2017  
14636

This is a high-performance mineral diesel engine oil formulated to deliver reliable performance in a broad range of heavy-duty applications. It is suitable for low-emission engines (Euro II, Euro III and some Euro IV engines).

### APPLICATIONS

Recommended for all modern diesel engines of trucks, off-road equipment and other heavy-duty applications. Universal use, including mixed fleets. Suitable for low-emission diesel engines with EGR (Euro II, III and some Euro IV). Meets and exceeds the demanding requirements of many U.S. and European diesel engine manufacturers.

### FEATURES

Total engine protection : outstanding engine cleanliness and durability.

### SPECIFICATION LEVEL

ACEA	E7-16	DEUTZ	DQC-III-10
ACEA	A3/B4-12	GLOBAL	DHD-1
ALLISON	C4	JASO	DH-1
API	CI-4/SL	MACK	Approval EO-N
API	CG-4	MACK	EO-M PLUS
API	CH-4	MAN	Approval M3275-1
CATERPILLAR	ECF-1a	MB	Approval 228.3
CATERPILLAR	ECF-2	MB	229.1
CUMMINS	CES 20076	MTU	Approval Oil Category 2
CUMMINS	CES 20077	RENAULT	Approval RLD-2
CUMMINS	CES 20078	RENAULT	RLD
DETROIT	93K215	VOLVO	Approval VDS-3
DIESEL			

### TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.886
Kinematic viscosity at 40°C	ASTM D445	mm²/s	97
Kinematic viscosity at 100°C	ASTM D445	mm²/s	13.8
Viscosity index	ASTM D2270		144
B.N. (HClO4 method)	ASTM D2896	mg KOH/g	11.9
Pour point	ASTM D6892	°C	-36
CCS viscosity at -20°C	ASTM D5293	mPa.s	6500
Sulfated Ash	ASTM D874	Mass %	1.49
Flash Point COC	ASTM D92	°C	220

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.

#### WOLF OIL CORPORATION NV

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