

# VITALTECH

## 15W40

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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

API	CF	ACEA	A3/B4-10
API	CF-4	ACEA	E7-08#2
API	CG-4	CUMMINS	CES 20076
API	CH-4	CUMMINS	CES 20077
API	SL/CI-4	CUMMINS	Approval CES 20078
CATERPILLAR	ECF-1a	MACK	EOM PLUS
CATERPILLAR	ECF-2	MTU	Type 2
MB	Approval 228.3	RENAULT	RLD
MB	229.1	RENAULT	RLD-2
ALLISON	C4	VOLVO	Approval VDS-3
MAN	Approval M3275	JASO	DH-1
DETROIT	93K215	DEUTZ	DQC III-05
DIESEL		GLOBAL	DHD-1
ACEA	A3/B3-10		

### TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.888
Kinematic viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	97
Kinematic viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	13.8
Viscosity index	ASTM D2270		144
B.N. (HClO <sub>4</sub> method)	ASTM D2896	mg KOH/g	10.5
Pour point	ASTM D6892	°C	-36
CCS viscosity at -20°C	ASTM D5293	mPa.s	6500
Sulfated Ash	ASTM D874	Mass %	1.59
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.

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