# WOLF VITALTECH 15W40

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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

### **SPECIFICATIONS**

ACEA	A3/B4	MTU	Oil Category 1	
ACEA	E7	RENAULT	approval RLD-2	
API	approval CI-4/SL	RENAULT	RLD	
API	CF-4	VOLVO	approval VDS-3	
API	CG-4			
API	CH-4			
JASO	DH-1			
ALLISON	C4			
CATERPILLAR	ECF-1a			
CATERPILLAR	ECF-2			
CATERPILLAR	TO-2			
CUMMINS	approval CES 20078			
CUMMINS	CES 20076			
CUMMINS	CES 20077			
DAIMLER TRUCK	approval DTFR 15B110			
DETROIT DIESEL	DFS 93K215			
DEUTZ	approval DQC-III-18			
DEUTZ	DQC-III-10			
GLOBAL	DHD-1			
IVECO	18-1804 Classe T2 E7			
MACK	approval EO-N			
MACK	EO-L			
MACK	EO-M PLUS			
MAN	M3275-1			
MB	229.1			
MB	approval 228.3			
MTU	approval Oil Category 2			

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## **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	10.1
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.

