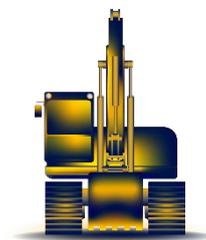


TECHNICAL PRODUCT SHEET

# ERGON SHPD LS 15W—40



## DESCRIPTION

ERGON SHPD LS is a top-tier Mid SAPS engine lubricant engineered for the latest US EPA– and EURO-compliant diesel engines used in off-highway applications. It is formulated with extremely high-quality, severely hydrotreated base oils and delivers exceptional thermal stability, oxidation resistance, and wear protection, supporting consistent performance under severe heavy-duty conditions such as prolonged idling, high loads, and dusty environments. It is specifically designed for engines equipped with advanced aftertreatment systems.

## APPLICATIONS

ERGON SHPD LS is a high-performance diesel engine oil specifically designed for severe-duty construction, mining, and off-highway applications. The product is suitable for diesel engines compliant with US EPA Tier 4 Final, EU Stage IV, and EU Stage V emission regulations and equipped with aftertreatment systems such as DOC, DPF, and SCR, when operated with diesel fuel containing less than 15 ppm sulfur. In addition, ERGON SHPD LS is suitable for Euro IV, Euro V, and Euro VI, as well as US EPA 2007/2010 diesel engines used in on-highway and agricultural applications requiring API CK-4 or ACEA E11/E7 performance levels.

ERGON SHPD LS exceeds the requirements of diesel engines used in off-highway equipment from key Japanese, European, and American OEMs, including Hitachi, Isuzu, Mitsubishi, John Deere, Perkins, Case New Holland, Liebherr, JCB, Komatsu, and others.

## SPECIFICATIONS

ACEA	E11	DTR	15C100 (ex. MB 228.31)
ACEA	E9	MTU	Cat. 2.1
ACEA	E7 level	VOLVO	VDS-4.5 (Approved)
API	CK-4 (Approved)	RENAULT TRUCKS	RLD-3 (Approved)
API	CJ-4	MACK	EO-M Plus
API	CI-4	MACK	EO-N (Approved)
API	CH-4	CUMMINS	CES 20086
API	SP	CUMMINS	CES 20087
API	SN Plus	CUMMINS	CES 20100
API	SN	DEUTZ	DQC III-18 LA
MAN	3775	DEUTZ	DQC III-10 LA
MAN	3575	JASO	DH-2
CATERPILLAR	ECF-3	ALLISON	TES 439
CATERPILLAR	ECF-2	FORD	WSS-M2C171-F1
CATERPILLAR	ECF-1a	CHINA	D1



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### PROPERTIES

ERGON SHPD LS, due to its high viscosity at 100 °C, provides stable viscosity control, preventing metal-to-metal contact and wear, particularly during idling or under high load and pressure conditions. Its superior detergent and dispersant properties provide improved soot-related viscosity control, prevent viscosity loss due to shear, and help reduce oil consumption. The thermally stable base oils enhance protection against thermal and oxidative breakdown, enabling operation at higher sump temperatures while maintaining excellent low temperature pumpability.

### BENEFITS

ERGON SHPD LS helps maintain a clean engine, which is essential for operation under optimal conditions and contributes to reduced fuel and oil consumption. Its enhanced wear protection reduces maintenance downtime and provides reliable performance under increased extreme pressures, forces, and loads encountered by construction machinery during regular operation. This allows for extended oil drain intervals, leading to improved productivity, operational efficiency, and cost savings.

### PHYSICAL-CHEMICAL CHARACTERISTICS

ERGON SHPD LS	METHOD	SAE 15W-40
Density at 15°C, g/cm <sup>3</sup>	ASTM D4052	0.872
Viscosity, Kinematic (cSt) 40°C	ASTM D445	104.4
Viscosity, Kinematic (cSt) 100°C	ASTM D445	15.6
Viscosity index	ASTM D2270	145
Flash point, COC, °C	ASTM D92	236
Pour point, °C	ASTM D97	-30
TBN, mgKOH/g	ASTM D2896	10.3
Dynamic Viscosity, °C/cP	ASTM D5293	-20°C/6,500
HTHS, cP	CEC-L-36-A-90	3.8

The above mentioned characteristics represent mean values.

### STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.



### HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).



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## ENGINEERED TO PERFORM

TECHNICAL PRODUCT SHEET

### USED OILS

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Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

