

TECHNICAL PRODUCT SHEET

PWR XTB

15W—40, 20W—50



DESCRIPTION

PWR XTB is a high-performance diesel engine oil engineered for professional 4-stroke heavy-duty engines operating under severe conditions and using high-sulfur fuels (>1000 ppm). Meeting API CH-4 and CI-4 Plus specifications delivers superior detergency, excellent soot handling, and robust anti-wear protection to ensure long engine life and reliable performance. It utilizes the latest technology to deliver exceptional performance for both on & off-highway heavy duty, American and European engines with EGR or SCR systems "burning" high sulfur fuels. It is also the perfect lubricant for hard-working hydrostatic transmissions requiring a multigrade oil.

APPLICATIONS

PWR XTB is formulated for American, Chinese, and European non-road engines (Pre-Tier 4 / China NR4 / EU Stage IIIb/IV), including engines equipped with EGR and SCR systems. It is also suitable for hydrostatic transmissions requiring dependable multigrade lubrication. Ideal for a wide range of commercial, industrial, marine, on-highway, and off-highway applications, including power generation, construction, mining, quarrying, and agricultural equipment.

SPECIFICATIONS

ACEA	E5	DTRF	15B100 (ex. MB 228.3)
ACEA	E7	CUMMINS	CES 20076
API	CI-4 Plus	CUMMINS	CES 20077
API	CI-4	CUMMINS	CES 20078
API	CH-4	DEUTZ	DQC III-10
API	CG-4	Global	DHD-1
API	CF-4	CATERPILLAR	ECF-1a
MAN	3275-1 (SAE 15W-40)	MTU	Cat. 2
ZF	TE-ML 04P / 07D		

PROPERTIES

PWR XTB 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.



TECHNICAL PRODUCT SHEET

BENEFITS

PWR XTB 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.

PHYSICAL-CHEMICAL CHARACTERISTICS

PWR XTB	METHOD	SAE 15W-40	SAE 20W-50
Density at 15°C, g/cm ³	ASTM D4052	0.880	0.885
Viscosity, Kinematic (cSt) 40°C	ASTM D445	106.5	170.0
Viscosity, Kinematic (cSt) 100°C	ASTM D445	15.3	19.2
Viscosity index	ASTM D2270	152	129
Flash point, COC, °C	ASTM D92	236	242
Pour point, °C	ASTM D97	-30	-27
TBN, mgKOH/g	ASTM D2896	15.3	15.3
Dynamic Viscosity, °C/cP	ASTM D5293	-20°C/6,500	-15°C/6,500
HTHS, cP	CEC-L-36-A-90	3.8	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).



USED OILS

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

