



T23 SUPERPRO-I SERIES

SUPER HIGH-PERFORMANCE DIESEL ENGINE OIL

T23 SuperPro-I Series is a super high-performance diesel engine oil formulated using highly refined hydro-treated base stocks couple with unique selective of engine oil additives. It is designed to meets the most stringent requirements of today's high-performance diesel engines.

T23 SuperPro-I Series engine oil exhibit excellent anti-wear property offering maximum protection to today's engine. It minimises high temperature carbon deposits and engine sludges formation as well as preventing corrosion to the internal engine parts.

APPLICATIONS

T23 SuperPro-I Series engine oil is recommended for diesel engines equipped with Exhaust Gas Recirculation (EGR) devices, naturally-aspirated, super-charged and turbo-charged diesel engines as well as off-highway equipment such as construction, mining and agriculture stationary engines. It is also suitable for gasoline engine where a API SL grade is required.

BENEFITS

- Provide excellent lubricating oil film during high temperature operations;
- Excellent anti-rust and anti-corrosion properties protects the engine against corrosion;
- Excellent detergency and dispersant properties resisting deposit and sludge formation;
- Superior wear and bearing corrosion control ensuring maximum protection to the engine.

Consult Owner Guide for specific application and suitability of the oil grade selected.

SPECIFICATIONS & STANDARDS

T23 SuperPro-I Series engine oil meets the performance standards of:

API CI-4/SL	ACEA E7-08
MAN 3275	Cummins CES 20072/77
MB p28.3	Mack EO-M Plus
MTU Type II	Volvo VDS 3
Detroit Diesel 93K215	Cat ECF 1

TYPICAL PROPERTIES

PROPERTIES	TEST METHOD	TYPICAL RESULTS	
SAE Grade	SAE J 300	10W30	15W40
Specific Gravity @ 15°C	ASTM D-4052	0.8697	0.8747
Flash Point, °C	ASTM D-92	220 (min)	220 (min)
Pour Point, °C	ASTM D-97	-39	-39
Kinematics Viscosity			
@ 40°C (cSt)	ASTM D-445	85.0	117.4
@ 100°C (cSt)	ASTM D-445	12.2	15.46
Viscosity Index	ASTM D-2270	139	138
TBN (mgKOH/g)	ASTM D-2896	9.16	9.16
Colour	ASTM D-1500	L2.5	L2.5

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