



T23 SUPERPRO-K SERIES

SUPER HIGH-PERFORMANCE DIESEL ENGINE OIL

T23 SuperPro-K Series is a super high-performance diesel engine oil formulated using highly refined hydro-treated base stocks couple with the high-performance diesel engine oil additive package to meet the latest API grade of CK-4.

T23 SuperPro-K Series engine oil are especially effective at sustaining emission control system durability where particulate filters and other advanced aftertreatment systems are used. **T23 SuperPro-K Series** engine oil are designed to provide enhanced protection against oil oxidation, viscosity loss due to shear, and oil aeration as well as protection against catalyst poisoning, particulate filter blocking, engine wear, piston deposits, degradation of low- and high-temperature properties, and soot-related viscosity increase.

APPLICATIONS

T23 SuperPro-K Series engine oil is designed for used in 2017 on-highway, high-speed 4-stroke diesel engine and tier 4 non-road exhaust emission diesel engines. It is also suitable for gasoline engine where a API SN grade engine oil is recommended.

TYPICAL PROPERTIES

PROPERTIES	TEST METHOD	TYPICAL RESULTS	
SAE Grade	SAE J 300	10W30	15W40
Specific Gravity @ 15°C	ASTM D-4052	0.8674	0.8754
Flash Point, °C	ASTM D-92	220 (min)	220 (min)
Pour Point, °C	ASTM D-97	-33	-39
Kinematics Viscosity			
@ 40°C (cSt)	ASTM D-445	80.1	122.5
@ 100°C (cSt)	ASTM D-445	12.0	15.7
Viscosity Index	ASTM D-2270	145	135
TBN (mgKOH/g)	ASTM D-2896	9.9	9.9
Colour	ASTM D-1500	L3.0	L3.0

BENEFITS

- Exceptional soot dispersancy abilities avoids filter plugging, cylinder head sludge, abrasive wear and oil thickening;
- Excellent anti-rust and anti-corrosion properties protect the engine by neutralizing the acidic by-products from combustion;
- Excellent resistance against formation of varnish, sludge and carbon deposits;
- Excellent wear protection maintains fuel economy;
- Superior thermal stability and anti-oxidation properties;
- Reduces maintenance costs by extending oil drain and engine overhaul intervals.

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

SPECIFICATIONS & STANDARDS

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

API CK-4/SN	ACEA E7/E9-16
Cummins CES 20086	DFS 93k222
Ford WSS-M2C171-F1	Mack EO-S 4.5
Renault RLD-4	Volvo VDS 4.5

T23 Lubricant is a registered trademark of T23 International Pte Ltd.

The information contains in this data sheet is believed to be accurate as of the date of print, however, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests conducted under normal laboratory conditions and is given as a guide only. It is the responsibility of the user to evaluate and use the products safely, to access suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheet are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility will be taken by T23 International Pte Ltd or its subsidiaries for any damage or injury resulting from abnormal use of the product, from failing to adhere to recommendations, or from hazards inherent in the nature of the product. All product and information supplied are provided under our standard conditions of sales and users are advised to ensure that they refer to the latest version of the data sheet. You should consult our local representative if you require any further information.