

PRODUCT & TECHNICAL DATA

CASTROL TLX PLUS Diesel Engine Lubricant

DESCRIPTION

Castrol TLX Plus is a range of engine oils developed for use in medium speed diesel engines in marine propulsion and power generation applications. Formulated using high quality base oils, the latest TLX "Plus" series supercedes the previous TLX series by incorporating a unique formulation of additive technology systems designed to overcome the adverse conditions seen in low oil consumption engines operating with varying heavy fuel qualities.

Castrol TLX Plus is available with 20, 30, 40 or 50 BN, and SAE 30 and 40 viscosity grades to suit differing fuel sulphur contents and engine builders' requirements. Approved grades of BN 55 and higher can also be made available on demand.

APPROVALS

The **Castrol TLX Plus** series of oils hold approvals from all major medium speed engine manufacturers.

FEATURES/BENEFITS

Extensive severe field testing in heavy fuel burning engines has confirmed that **Castrol TLX Plus** is suitable for use in the most demanding highly rated turbocharged medium speed diesel engines.

It excels in all the performance requirements demanded of a truly high quality lubricant:-

- Exceeds API CF specification
- Superior wear performance
- Improved thermal & anti-oxidation stability
- Anti-rust against salt water (as tested by IP 135B)
- High load carrying properties of FZG 11 for anti-wear performance
- Excellent anti-foam properties
- Tolerant to water contamination
- Cleans and protects the engine whilst performing well in used oil analysis trends (by improved ability to release dirt and water in purifier centrifuges).

The main advantage of Castrol TLX Plus is its ability to overcome the problems experienced by conventional oils in low oil consumption engines operating on low quality heavy fuels and with possible fuel contamination of the crankcase oil.

Fuel contamination can result in the formation of black asphaltic sludge in the crankcase, deposits in piston scraper rings, ring belt, and critically in the piston cooling cavities. Castrol TLX Plus has a significantly improved capability to handle asphaltic contaminants, which will lead to cleaner engines and much reduced piston deposits to achieve safely extended overhaul intervals. It is significantly advanced in its piston ring belt and under-crown cleanliness performance.

The Castrol TLX Plus range includes grades of 50BN and higher for use when rapid base number depletion is experienced in low oil consumption engines. These particular grades will further increase the time between oil drain intervals.

TECHNICAL DATA

Typical Characteristics	Castrol TLX Plus							
	203	204	303	304	403	404	504	554
Density @ 15°C, kg/l	0.90	0.90	0.90	0.91	0.91	0.91	0.92	0.92
SAE Number	30	40	30	40	30	40	40	40
Viscosity @ 100°C, cSt	11.5	14.0	11.5	14.0	11.5	14.0	14.0	14.0
Base Number, mg KOH/g	20	20	30	30	40	40	50	55
Closed Flash Point, °C	>200	>200	>200	>200	>200	>200	>200	>200
Pour Point, °C	-6	-6	-6	-6	-6	-6	-6	-6

