



## TLX Plus Range

Diesel engine lubricants

### Description

TLX Plus is a range of high performance lubricants incorporating a unique additive technology system designed to overcome the adverse conditions seen in engines with low oil consumption and operating with varying heavy fuel qualities.

### Application

TLX Plus is a range of engine oils developed for use in highly-rated turbo-charged medium speed diesel engines for marine propulsion and power generation applications. 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.

### Features / Benefits

- 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).

### Approval Status

The TLX Plus range of oils hold approvals from all major medium speed engine manufacturers.

## Technical Data

Name	Method	Units	TLX Plus 203	TLX Plus 204	TLX Plus 303	TLX Plus 304	TLX Plus 404	TLX Plus 504
SAE Number			30	40	30	40	40	40
Viscosity, Kinematic 100°C	ASTM D445	mm <sup>2</sup> /s	11.5	14	11.5	14	14	14
Total Base Number, TBN	ASTM D2896	mg KOH/g	20	20	30	30	40	50
Density @ 15°C, Relative	ASTM D4052	g/ml	0.897	0.900	0.902	0.906	0.913	0.919
Flash Point, PMCC	ASTM D93	°C	>200	>200	>200	>200	>200	>200
Pour Point	ASTM D97	°C	-6	-6	-6	-6	-6	-6
FZG Gear Test A/8.3/90	DIN 51 354	FLS	11	11	11	11	11	11

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

## Packaging and Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings.

Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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Castrol Marine, Technology Centre, Whitchurch Hill, Pangbourne, Reading RG8 7QR, United Kingdom

[www.castrolmarine.com](http://www.castrolmarine.com)

