



Product Data

## TLX Xtra Range

High performance diesel engine lubricant

### Description

Castrol TLX Xtra is a range of high performance engine oil to withstand high oil stress conditions seen in the latest engine designs which have reduced oil capacity and consumption. It is suitable for operating with a wide range of fuel types HSFO, VLSFO, ULSFO and dual fuel LNG applications.

### Application

TLX Xtra has been developed for use in medium speed engines for marine propulsion and power generation applications. TLX Xtra is available with 20, 30, 40 and 50 or 55 BN, and SAE 30 and 40 viscosity grades to suit engine builders' requirements and fuel variation. It is also suitable for diesel engines fitted with latest emission reduction technology and after treatment systems.

### Conditions of Use

Formulated with an enhanced detergency system (EDS) to maintain excellent cleanliness for reliable engine operation

- Reduced risk of piston deposit
- Exceeds API CF engine cleanliness requirements\*
- Maintains cleanliness under high oil stress conditions

Increased performance delivered through

- Extended operation within OEM oil condition limits
- Improved oil treatment and water shedding performance
- Excellent liner condition and low wear rates
- 2020 ready and capable of handling fuel variability

\*As tested in low BN variants

### Advantages

The TLX Xtra range of oils holds approvals or letters of no objection from MAN, MAK, Wartsila, Daihatsu, Yanmar and Hyundai HIMSSEN medium speed engine manufacturers.

## Typical Characteristics

Name	Method	Units	TLX Xtra 203	TLX Xtra 204	TLX Xtra 303	TLX Xtra 304	TLX Xtra 404	TLX Xtra 504	TLX Xtra 554
Density @ 15C, Relative	ASTM D4052	g/ml	0.893	0.898	0.900	0.902	0.908	0.915	0.917
Viscosity, Kinematic 100C	ASTM D445	mm <sup>2</sup> /s	11.4	14.1	11.5	13.5	13.9	13.9	13.9
Flash Point, PMCC	ASTM D93	°C	218	221	219	217	218	218	218
Pour Point	ASTM D97	°C	-13	-12	-13	-14	-13	-16	-15
Total Base Number, TBN	ASTM D2896	mg KOH/g	20	20	30	30	40	50	55
Viscosity Index	ASTM D2270	None	102	101	105	103	105	107	108

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

## 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 60C, exposed to hot sun or freezing conditions.

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