



MERAK TRUNK PISTON ENGINE OIL

Tesla Merak Trunk Piston Engine Oil (TPEO) is premium quality multifunctional trunk piston engine oil designed to be used in the most modern medium speed trunk piston 4-stroke diesel engines operating on residual marine fuels. **Merak TPEOs** has been specifically formulated to offer a **comfortable safety margin** to cover the increasing technical demands of these engines operating on widely **varying fuel qualities**. Its advanced sludge control additive technology perfectly meets these requirements and also provides exceptional engine cleanliness and wears protection.

Tesla Merak oil is available in SAE 30 & 40 viscosity grades with a BN (Base Number) of 30 and 40 and are recommended for modern medium speed marine engines used on board ships and also in power generation plants which operate on residual fuels.

Tesla Merak oil 3040 & 4040 are specifically formulated for the modern low consumption engines fitted with 'anti polishing', 'flame' or 'fire' rings that operate on very high sulphur residual fuels. These marine lubes are also specially recommended for 4-stroke ship engines where the marine lube has to stay in use for extended time periods and when a less frequent oil top-up is required. They are adequate for the most modern and lower lube oil consuming engines operating on residual fuels and having sulphur content in excess of 3.5%, whereas **Tesla Merak oil 3030 & 4030** are suitable for the modern engines operating on residual fuels having sulphur content in the range of 2.5% to 3.5 %. They are also recommended for modern medium speed marine engines used on board ships and also in power generation plants which operate on residual fuels.

Specifications met: API CF and suitable for use in Wartsila NSD, MAN(B&W), KHD Deutz, Pielstick, Nigata, MAK and Daihatsu engines

Typical Properties

Product	3020	4020	3030	4030	3040	4040	4050	4055
SAE Grade	30	40	30		30	40	40	40
Viscosity at 100°C, cSt	11	14.2	11	14.2	11	14.1	14.2	14.2
Viscosity Index	95	95	95	95	95	97	95	95
Flash Point, COC, ^o C	236	250	235	245	235	242	236	242
Pour Point, deg C	-15	-15	-12	-15	-15	-18	-12	-12
BN	20	20	30	30	40	40	50	55
S.Ash	2.42	2.42	3.6	3.6	4.8	4.8	6.2	6.8
P.Code	1904	1905	1906	1907	1910	1911		1917

Color Varies from Country to Country. Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. Advice and opinion noted herein are given in good faith and on the basis of the best information available, information is based on past history of the grade only and must not be construed as a guarantee of performance nor any legal liability is accepted by Tesla Corporation or any of its affiliates. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available with your nearest TESLA office or at www.teslalube.com. © Tesla Corporation, 2011

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