



## RAVENOL MARINE 1230



**SPECIFICATIONS** API CF  
**FABRICATION** MINERAL  
**RECOMMENDATIONS** MIL.L-2104C, DEF STAN 91-22/2

**RAVENOL MARINE 1230 SAE 30 TBN12** is a mineral diesel engine oil for the navy.

**RAVENOL MARINE 1230 SAE 30 TBN12** is made from high quality solvent refined basic oils with a special multi functional additivation for the demands of a navy oil for the use of navy diesel engines and for the lubrication of gear transfers in aggregates used on boats.

### ART.-NR. 1163010

4 L | 1163010-004  
10 L | 1163010-010  
20 L | 1163010-020  
20 L | 1163010-B20  
1000 L | 1163010-700

## Application Notes

**RAVENOL MARINE 1230 SAE 30 TBN12** is used as a lubrication oil in quickly running and so-called « medium speed » navy diesel engines, perhaps with turbo charging and when using distilled fuels.

**RAVENOL MARINE 1230 SAE 30 TBN12** can also be used for the lubrication of gear transfers in aggregates used on boats..

## Characteristics

**RAVENOL MARINE 1640 SAE 40 TBN12** offers:

- a very good oxidation resistance
- a stable viscosity index
- excellent dispersant and detergent characteristics
- a good neutralizing power to neutralize acid connections which occur when burning diesel fuels
- a good cleaning power
- a good corrosion protection
- a good foam prevention
- a low pourpoint
- a good water separation behaviour



Property	Unit	Data	Audit
Density at 20°C	kg/m <sup>3</sup>	883,0	EN ISO 12185
Colour		gelbbraun	visual
Viscosity at 100°C	mm <sup>2</sup> /s	11,7	DIN 51 562
Viscosity at 40°C	mm <sup>2</sup> /s	105,20	DIN 51 562
Viscosity index VI		99	DIN ISO 2909
Pourpoint	°C	-21	DIN ISO 3016
Flash point (COC)	°C	252	DIN ISO 2592
TBN	mg KOH/g	12,5	ASTM D2896
Sulphated ash	%wt.	1,67	DIN 51 575

All information correspond to the best of our knowledge to the actual situation of the cognitions and our development. Subject to alterations. All references made to DIN-norms are only for the description of the goods. There is no guarantee. In case there will be any problems please contact the technical service.

Release: : 26. September 2019