

A mineral oil for naturally aspirated or turbocharged Diesel marine engines.
 Marine 4X has demonstrated in testing its ability to reduce deposit formation and wear.

PERFORMANCES

Standards:

API CG-4/CF-4/CF/SJ
 ACEA E2
 TBN: 9.4

ADVANTAGES

Marine 4X contains dispersants able to reduce deposits at low temperatures, and enabling good dispersion of insoluble components in the oil.
 Marine 4X enables easy starting thanks to its viscosity grade, with good cold lubrication, as well as good protection at high temperatures, without increasing oil consumption.
 Marine 4X is suitable for marine engines such as Cummins and Caterpillar.

Characteristics	Methods	Units	Values
Viscosity grade	-	SAE	15W-40
Viscosity at 40°C	NFT 60-100	mm ² /s	104.8
Viscosity at 100°C	NFT 60-100	mm ² /s	14.2
Viscosity index	NFT 60-136	-	138
Pour point	NFT 60-105	°C	-30
COC flash point	NFT 60-118	°C	244
TBN (alkaline reserve)	ASTM D2896	mg KOH/g	9.4
Density at 15°C	NFT 60-101	kg/m ³	887

The characteristics are given purely for information and are consistent with our current production standards. IGOL reserves the right to modify them, in order to pass on technical developments to its customers. Before using this product, you should consult the instructions for use and the environmental impact shown on the technical and safety data sheets. The information given above is based on the current state of our knowledge of the product in question. The product user should take all relevant precautions relating to its use. Under no circumstances may IGOL be held liable for damages resulting from misuse.

Document ref.: III-99-1507
 Published: 27/07/2015

Technical data sheet