

A mineral oil for naturally aspirated or turbocharged diesel marine engines.

## PERFORMANCES

ACEA E7-16  
Complies with former ACEA E5/E3  
API CI-4/CH-4/CG-4  
TBN 13

BAUDOUIN SMB 5  
CUMMINS CES 20071/2/6/7  
Volvo VDS-3 / VDS-2 ex : Moteur Volvo  
Penta  
MTU Type 2  
MAN M3275

## ADVANTAGES

Marine 7X contains dispersants to reduce deposits at low temperatures and ensure good dispersion of oil-insoluble components.

Thanks to its grade, Marine 7X provides easy start-up with good cold lubrication and good protection at high temperatures without increasing oil consumption.

## PHYSICO-CHEMICAL PROPERTIES

Characteristics	Standards	Unit	Values
Specific gravity at 20°C	ASTM D4052	g/cm <sup>3</sup>	0.874
Cinematic viscosity at 40°C	ASTM D7042	mm <sup>2</sup> /s	104.4
Cinematic viscosity at 100°C	ASTM D7042	mm <sup>2</sup> /s	14.9
Viscosity Index	ASTM D2270		150
CCS at -20°	ASTM D5293-20	mPa.s	5368
Pour point	ASTM D97 B	°C	-44
Flash point	ASTM D92	°C	232
TBN	ASTM D2896	mgKOH/g	Min 13

*Note: Before use, always check the manufacturer's recommendations*

Characteristics are given for information only and correspond with our manufacturing standards. IGOL reserves the right to modify them to provide its customers with the benefits of technical progress. Before using this product read the instructions for use and the environmental impacts mentioned in the technical and safety data sheets. The information given above is based on the current level of knowledge relative to the product concerned. The product user should take all useful precautions relative to its use. IGOL can in no circumstances be held responsible for damage resulting from incorrect use.

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