

1. Marine Fuel Oil (MFO)



PRODUCT

Marine Fuel Oil (MFO) is a fuel that is produced from a type of residue. this fuel is used in low speed diesel engines <300 rpm which has a viscosity of up to max. 380 cSt and high Sulfur content up to max. 4% v/v. MFO is used in the main machinery of shipping and

Marine Fuel Oil (MFO) adalah Bahan Bakar yang dihasil dari jenis residu yang berwarna hitam. bahan bakar ini digunakan pada mesin diesel putaran rendah <300 rpm yang memiliki kekentalan hingga maks. 380 cSt dan kadar Sulfur tinggi hingga maks. 4% v/v. MFO digunakan pada mesin utama perkapalan maupun industri.

180

SPECIFICATION

Unit	Test Method	Max..	Min..	
Kg/m³	ASTM D1298	991	-	DENSITY
mm²/dt	ASTM D445	180	-	VISCOSITY (50°)
%m/m	ASTM D1552	4.5	-	SULFUR
°C	ASTM D97	30	-	POUR POINT
°C	ASTM D93	-	60	BURNING POINT
%m/m	ASTM D189	16	-	RESIDUE CARBON
%m/m	ASTM D482	0.10	-	ASH CONTENT
%m/m	ASTM D473	0.1	-	SEDIMENT TOTAL
% v/v	ASTM D95	1.0	-	WATER CONTENT
mg/kg	AAS	200	-	VANADIUM
mg/kg	ASTM D5184 / AAS	80	-	ALUMINIUM + SILICON