

Delivery Specification R – 53

Marine Gasoil



Approved,

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1. Scope

This document specifies requirements and test methods for product "Marine Gasoil" produced by OMV Petrom. Biofuel (FAME - Fatty Acid Methyl Ester) is not added on "Marine Gasoil".

The product is designated to be used as fuel for consumption on board ships and meets the requirements of the standard ISO 8217.

The product contains additives to improve quality and it is marked and coloured, as the case, according to the legal requirements.

2. Normative references

This document incorporates provisions from other publications, cited at the appropriate places in the text.

The latest edition of the referenced document applies.

3. Sampling

Samples shall be taken as described in EN ISO 3170.

4. Requirements and test methods

Test methods are indicated in Table 1.

All test methods referred to in this standard include a precision statement.

In cases of dispute, the procedures for resolving the dispute and interpretation of the results based on test method precision, described in EN ISO 4259, shall be used.

When tested at the refinery, the product "Marine Gasoil" must be in accordance with the limits specified in **TABLE 1**.

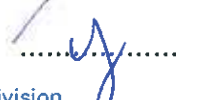
In order to certify product quality, for each lot delivered from the refinery will be provided a Conformity Certificate, according to the internal regulations.

Table 1. Requirements and test methods "Marine Gasoil"

Property	Unit	Limits		Test method
		minimum	maximum	
Appearance		Clear and bright		visual - to temperature 10°C - 25°C
Cetane index		42.0	-	EN ISO 4264
Density at 15 °C	kg/m ³	-	860	EN ISO 3675 (litigation method) EN ISO 12185
Sulfur content	mg/kg	-	10	EN ISO 20846 (litigation method) EN ISO 20884
Flash point	°C	60		EN ISO 2719
Carbon residue (on 10 % distillation residue)	% (m/m)	-	0.30	EN ISO 10370
Ash content	% (m/m)	-	0.01	EN ISO 6245
Lubricity, corrected wear scar diameter (wsd 1,4) at 60 °C	µm	-	520	EN ISO 12156 - 1
Viscosity at 40 °C	mm ² /s	2.0	6.0	EN ISO 3104
Cold filter plugging point, CFPP	°C	-	- 13	EN ISO 3015
Pour point	°C	-	- 15	EN ISO 3016
Oxidation stability	g/m ³	-	25	EN ISO 12205
Hydrogen sulfide	mg/Kg	-	2.0	UOP 163
Acid number	mg KOH/g	-	0.5	ASTM D 664
Electrical conductivity	pS/m	50	-	ASTM D 2624

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