



energy experts

ESSO retail network  
Mobil lubricants

# Gasoil Extra

PROPERTY	UNIT	METHOD	LIMITS	
			min.	max.
Appearance, 20 °C - 25 °C		Visual	bright & clear	
Ash	% mass	D 482/EN 26245		0.010
Carbon Residue, Micro on 10 % Bottom	% mass	D 4530/ISO 10370		0.30
Cetane Index		D 4737/EN ISO 4264	46.0	
Cetane No.		D 613/EN ISO 5165	51.0	
Cold Properties				
Cloud Point	°C	D 2500/D 5773/EN 23015		
March, November				0
April, 1 - October, 31				4
December, 1 - February, 28/29				-7
December, 1 - February, 28/29 <sup>a)</sup>				-5
Cold Filter Plugging Point	°C	IP 309/EN 116		
March, November				-11
April, 1 - October, 31				-5
December, 1 - February, 28/29				-20
Colour		D 1500/ISO 2049		2.0
Conductivity, Electrical <sup>b)</sup>	pS/m	D 4308/D 2624	50	
Copper Strip, 50 °C, 3 h		D 130/EN ISO 2160		1
Density, 15 °C	kg/m <sup>3</sup>	D 4052/EN ISO 12185	820.0	845.0
Distillation		D 86/prEN ISO 3405		
Rec. at 250 °C	% vol.			<65
Rec. at 350 °C	% vol.		85	
95 % Rec. at	°C			360
Fatty acid methyl ester (FAME) content <sup>c)</sup>	% v/v	EN 14078		7.0
Flash Point, P-M	°C	D 93/EN 22719	56.0	
Hydrocarbon Characterization PAH <sup>d)</sup>	% mass	IP 391		8.0
Lubricity (wsd 1,4) at 60 °C	µm	ISO 12156-1		460
Manganese content	mg/l	prEN 16576		2.0
Neutralization Number				
Total Acid Number	mg KOH/g	D 974		0.20
Oxidation Stability <sup>e)</sup>	g/m <sup>3</sup> hours	EN ISO 12205 EN 15751	20	25
Particulate Matter	mg/kg	EN 12662		24
Sulphur	mg/kg	D 2622/EN ISO 14596		10.0
Viscosity, Kin., 40 °C	mm <sup>2</sup> /s	D 445/EN ISO 3104	2.000	4.500
Water	mg/kg	D 1744/prEN ISO 12937		200

Specification meets the requirements of EN 590:2013.

#### Additives:

A dye sufficient to give a pronounced red colour and a minimum of 6 mg/l of Euromarker, should be added at point of delivery. The amount of Euromarker must not exceed 9 mg/l.

#### Notes:

- a. A relaxation in Cloud Point limit to -5 °C is allowed if sufficient amount of wax anti settling agent (WASA) is being applied.

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