



energy experts
 ESSO Retail Network
 Mobil lubricants

DIESEL 10S

PROPERTY	UNIT	METHOD	LIMITS	
			min.	max.
Appearance, 20 °C - 25 °C ^{a)}		Visual	bright & clear ^a	
Ash	% mass	D 482/EN ISO 6245		0.01
Carbon Residue, Micro on 10% Bottom	% mass	D 4530/EN ISO 10370		0.30
Cetane Index		D 4737/EN ISO 4264	46.0	
Cetane No.		D 613/EN ISO 5165/EN 15195	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 ^{b)}				-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 ^{c)}		D 1500/ISO 2049		2.0
Conductivity, Electrical ^{d)}	pS/m	D 4308/D 2624	50	
Copper Strip, 50 °C, 3 h		D 130/EN ISO 2160		1
Density, 15 °C	kg/m ³	D 4052/EN ISO 12185	820	845
Distillation		D 86/EN 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 ^{e)}	% v/v	EN 14078		7
Flash Point, P-M	°C	D 93/EN ISO 2719	56	
Hydrocarbon Characterization PAH	% mass	IP 391/EN 12916		8
Lubricity (wsd 1,4) at 60 °C	µm	ISO 12156-1		460
Neutralization Number				
Total Acid Number	mg KOH/g	D 974		0.20
Oxidation Stability ^{f)}	g/m ³ hours	EN ISO 12205 EN 15751	20	25
Particulate Matter	mg/kg	EN 12662		24
Sulphur	mg/kg	D 2622/EN ISO 20884 D 5453/EN ISO 20846		10.0
Viscosity, Kin., 40 °C	mm ² /s	D 445/EN ISO 3104	2.00	4.50
Water ^{g)}	mg/kg	D 6304/EN ISO 12937		100

Specification meets the requirements of EN 590: 2009.