

**PRODUCT SPESIFICATION
MARINE DIESEL [DMA]-415**

Property	Test Unit	Guarantee	Limit	Test Method
Density at 15 ⁰ C	kg/m ³	890	Max	TS 1013 EN ISO 3675 or TS EN ISO 12185
Viscosity at 40 ⁰ C	cSt	2,000-6,000		TS 1451 EN ISO 3104
Flash Point	⁰ C	60,0	Min	TS EN ISO 2719
Hydrogen Sulfide	mg/kg	2,00	Max	IP 570
Pour Point	⁰ C			TS 1233 ISO 3016
Winter (a)		-6	Max	
Summer (b)		0	Max	
Sulfur	% wt	0,10	Max	TS EN ISO 8754 TS EN ISO 14596
Cetane Index	Calculated	40	Min	TS EN ISO 4264
Carbon Residue (%10 (v/v) distillation residue)	% wt	0,30	Max	TS EN ISO 10370
Ash	% wt	0,010	Max	TS EN ISO 6245
Appearance				Clear and bright
Acid Number	mgKOH/g	0,5	Max	ASTM D 664
Oxidation Stability	g/m3	25	Max	TS EN ISO 12205
Lubricity,corrected wear Diameter (wsd 1,4) at 60 ⁰ C	µm	520	Max	TS EN ISO 12156-1

(*)This product is produced in İzmit and İzmir Refineries.

1 November-31 March (+/- 15 days)

(a) 1 April-31 October (+/- 15 days)