

Parameter	Unit	Limits	RMA 10	RMB 30	RMD 80	RME 180	RMG 180	RMG 380	RMG 500	RMG 700	Test Method	
Density @ 15 °C	kg/m ³	Max	920.0	960.0	975.0	991.0	991.0	991.0	991.0	991.0	ISO 12185 / 3675	
Viscosity @ 50°C ¹	mm ² /s	Max	10.0	30.0	80.0	180.0	180.0	380.0	500.0	700.0	ISO 3104	
CCAI	-	Max	850	860	860	860	870	870	870	870	Calculated	
Sulfur	%m/m	Max	Based on statutory requirements								ISO 14596 / 8754	
Flash Point	°C	Min	60	60	60	60	60	60	60	60	ISO 2719	
Hydrogen Sulfide	mg/kg	Max	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	IP 570	
Acid Number	mg KOH/g	Max	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	ASTM D664	
Total Sediment Aged	%m/m	Max	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	ISO 10307-2	
Micro Carbon Residue	%m/m	Max	2.50	10.00	14.00	15.00	18.00	18.00	18.00	18.00	ISO 10370	
Pour Point, Winter ²	°C	Max	0	0	30	30	30	30	30	30	ISO 3016	
Pour Point, Summer ²	°C	Max	6	6	30	30	30	30	30	30	ISO 3016	
Water	%V/V	Max	0.30	0.50	0.50	0.50	0.50	0.50	0.50	0.50	ISO 3733	
Ash	%m/m	Max	0.040	0.070	0.070	0.070	0.100	0.100	0.100	0.100	ISO 6245	
Vanadium	mg/kg	Max	50	150	150	150	350	350	350	350	ISO 14597	
Sodium	mg/kg	Max	50	100	100	50	100	100	100	100	ISO 10478	
Aluminium + Silicon	mg/kg	Max	25	40	40	50	60	60	60	60	ISO 10478	
Used Lubricating Oil	The fuel shall be free of Used Lubricating Oil (ULO). A fuel shall be considered to be contain ULO when either of the following conditions are met:											
Zinc	mg/kg	-	> 15									IP 501
Phosphorous	mg/kg	-	> 15									IP 501
Calcium	mg/kg	-	> 30									IP 501

¹ 1 mm²/s = 1 cSt

² Purchasers should ensure that his pour point is suitable for the equipment on board, especially if the vessel operators in both the northern and southern hemispheres.



Parameter	Unit	Limits	RMK 380	RMK 500	RMK 700	Test Method
Density @ 15 °C	kg/m ³	Max	1010.0	1010.0	1010.0	ISO 12185 / 3675
Viscosity @ 50°C ¹	mm ² /s	Max	380.0	500.0	700.0	ISO 3104
CCAI	-	Max	870	870	870	Calculated
Sulfur	%m/m	Max	Based on statutory requirements			ISO 14596 / 8754
Flash Point	°C	Min	60	60	60	ISO 2719
Hydrogen Sulfide	mg/kg	Max	2.00	2.00	2.00	IP 570
Acid Number	mg KOH/g	Max	2.5	2.5	2.5	ASTM D664
Total Sediment Aged	%m/m	Max	0.10	0.10	0.10	ISO 10307-2
Micro Carbon Residue	%m/m	Max	20.00	20.00	20.00	ISO 10370
Pour Point, Winter ²	°C	Max	30	30	30	ISO 3016
Pour Point, Summer ²	°C	Max	30	30	30	ISO 3016
Water	%V/V	Max	0.50	0.50	0.50	ISO 3733
Ash	%m/m	Max	0.150	0.150	0.150	ISO 6245
Vanadium	mg/kg	Max	450	450	450	ISO 14597
Sodium	mg/kg	Max	100	100	100	ISO 10478
Aluminium + Silicon	mg/kg	Max	60	60	60	ISO 10478
Used Lubricating Oil			The fuel shall be free of ULO. A fuel shall be considered to be contain ULO when either of the following conditions are met:			
Zinc	mg/kg	-	> 15			IP 501
Phosphorous	mg/kg	-	> 15			IP 501
Calcium	mg/kg	-	> 30			IP 501

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