

# Specifications

GRADE	RMA 10	RMB 30	RMD 80	RME 180	RMG 180	RMG 380	RMG 500	RMG 700	RMK 380	RMK 500	RMK 700
Viscosity @ 50 °C, cSt	10.00 Max.	30.00 Max.	80.00 Max.	180.0 Max.	180.0 Max.	380.0 Max.	500.0 Max.	700.0 Max.	380.0 Max.	500.0 Max.	700.0 Max.
Density @ 15 °C, kg/m <sup>3</sup>	920.0 Max.	960.0 Max.	975.0 Max.	991.0 Max.	991.0 Max.	991.0 Max.	991.0 Max.	991.0 Max.	1010.0 Max.	1010.0 Max.	1010.0 Max.
CCAI, Calculated	850 Max.	860 Max.	860 Max.	860 Max.	870 Max.	870 Max.	870 Max.	870 Max.	870 Max.	870 Max.	870 Max.
Sulphur, Mass %	Statutory Requirements										
Flash Point, °C	60.0 Min.	60.0 Min.	60.0 Min.	60.0 Min.	60.0 Min.	60.0 Min.	60.0 Min.	60.0 Min.	60.0 Min.	60.0 Min.	60.0 Min.
Hydrogen Sulphide, mg/kg	2.00 Max.	2.00 Max.	2.00 Max.	2.00 Max.	2.00 Max.	2.00 Max.	2.00 Max.	2.00 Max.	2.00 Max.	2.00 Max.	2.00 Max.
Acid Number, mg KOH/g	2.5 Max.	2.5 Max.	2.5 Max.	2.5 Max.	2.5 Max.	2.5 Max.	2.5 Max.	2.5 Max.	2.5 Max.	2.5 Max.	2.5 Max.
Total Sediment, Aged, Mass %	0.10 Max.	0.10 Max.	0.10 Max.	0.10 Max.	0.10 Max.	0.10 Max.	0.10 Max.	0.10 Max.	0.10 Max.	0.10 Max.	0.10 Max.
Carbon Residue, Micro, Mass %	2.50 Max.	10.00 Max.	14.00 Max.	15.00 Max.	18.00 Max.	18.00 Max.	18.00 Max.	18.00 Max.	20.00 Max.	20.00 Max.	20.00 Max.
Pour Point											
Winter Quality, °C	0 Max.	0 Max.	30 Max.	30 Max.	30 Max.	30 Max.	30 Max.	30 Max.	30 Max.	30 Max.	30 Max.
Summer Quality, °C	6 Max.	6 Max.	30 Max.	30 Max.	30 Max.	30 Max.	30 Max.	30 Max.	30 Max.	30 Max.	30 Max.
Water, Vol.%	0.30 Max.	0.50 Max.	0.50 Max.	0.50 Max.	0.50 Max.	0.50 Max.	0.50 Max.	0.50 Max.	0.50 Max.	0.50 Max.	0.50 Max.
Ash, Mass %	0.040 Max.	0.070 Max.	0.070 Max.	0.070 Max.	0.100 Max.	0.100 Max.	0.100 Max.	0.100 Max.	0.150 Max.	0.150 Max.	0.150 Max.
Vanadium, mg/kg	50 Max.	150 Max.	150 Max.	150 Max.	350 Max.	350 Max.	350 Max.	350 Max.	450 Max.	450 Max.	450 Max.
Sodium, mg/kg	50 Max.	100 Max.	100 Max.	50 Max.	100 Max.	100 Max.	100 Max.	100 Max.	100 Max.	100 Max.	100 Max.
Aluminium + Silicon, mg/kg	25 Max.	40 Max.	40 Max.	50 Max.	60 Max.	60 Max.	60 Max.	60 Max.	60 Max.	60 Max.	60 Max.

The fuel shall be free of used lubricating oil (ULO). A fuel shall be considered to contain ULO if one of the following conditions is met:

Calcium + Zinc, mg/kg

Calcium > 30 and Zinc > 15

Calcium + Phosphorus, mg/kg

Calcium > 30 and Phosphorus > 15