

ISO 8217: 2017 ISO RMG 380

| Characteristic | Limit | RMG 380 | Test |
|--|--------------|-------------------------|------------------------------|
| Acid number mg KOH/g | max | 2.5 | ASTM D664 |
| Aluminum plus Silicon mg/kg | max | 60 | ISO 501, IP 470 or ISO 10476 |
| Ash % (m/m) | max | 0.10 | ISO 6245 |
| Carbon Residue: Micro method mass % | max | 18 | ISO 10370 |
| CCAI | max | 870 | |
| Density at 15°C | max | 991.0 | ISO 3675 or ISO 12185 |
| Flash Point °C | min | 60 | ISO 2719 |
| Hydrogen Sulfide mg/kg | max | 2.00 | IP 570 |
| Kinematic Viscosity at 50° C | max | 380 | ISO 3014 |
| Pour point Pour point (upper) C° | | | |
| -Winter Quality | max | -6 | ISO 3016 |
| -Summer Quality | max | 0 | ISO 3016 |
| Sodium mg/kg | max | 100 | IP 501 or IP 470 |
| Sulphur mass % | max | Statutory Requirement * | ISO 8754 or ISO 14596 |
| Total Sediment - Aged mass % | | | |
| Vanadium mg/kg | max | 350 | ISO 501, IP 470 or ISO 14597 |

Used lubricating oils (ULO):

The fuel shall be free from ULO. A fuel shall be considered when one of the following conditions are met:

Calcium and Zinc: mass %

calcium > 30 and zinc > 15; or
calcium > 30 and phosphorous > 15
IP 501 or IP 470 or IP 500

*SULPHUR 3.5% FOR SCRUBBER FIT VESSELS

**SULPHUR MAX 0.5% FOR FUEL OILS FOR NON-SCRUBBER VESSELS