**SPECIFICATIONS FOR MARINE GAS OIL**

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| **PARAMETER** | **UNIT** | **LIMIT** | **TYPICAL SPECIFICATION** | **TEST METHOD** | |
| Appearance |  |  | Clear | Visual | Visual |
| Density @ 15 C | kg/m3 | Max | 890 | ASTM - D 1298 | ISO 3675 or 12185 |
| Viscosity @ 40 C | mm2/s | Max | 1.5 - 6.0 | ASTM - D 445 | ISO 3104 |
| Water | % (v/v) | Max | Nil | ASTM - D 95 | ISO 3733 |
| Sulphur | % (m/m) | Max | 0.5 | ASTM - D 4294 | ISO 8754 or 14596 |
| Flash Point | 0C | Min | 60 | ASTM - D 93 | ISO 2719 |
| Pour Point | 0C | Max | 0/6 | ASTM - D 97 | ISO 3016 |
| Cetain Index |  | Min | 45 | ASTM - D 613 | ISO 4264 |
| Cloud Point | 0C | Max | 15.5 | ASTM - D 2500 | ISO 3015 |
| Micro Carbon Residue at 10 % Residue | % (m/m) | Max | 0.3 | ASTM - D 189 | ISO 10370 |
| Ash | % (m/m) | Max | 0.01 | ASTM - D 482 | ISO 6245 |
| Sediment by Extraction | % (m/m) | Max | 0.01 | ASTM - D 473 | ISO 10307-1 |
| Zinc | mg/kg | Max | 15 | IP 501 / IP 470 |  |
| Phosphorus | mg/kg | Max | 15 | IP 501 / IP 470 |  |
| Calcium | mg/kg | Max | 30 | IP 501 / IP 470 |  |

**The above specifications will meet the requirments of the ISO 8217-2005 Standards for DMA**

**NOTE :** The Test Method shall be ISO or relevant ASTM method.