



ISO 8217:2012

Fuel Standard for Marine Distillate Fuels

Marine Distillate Fuels

| Characteristic | Unit | Limit | DMX | DMA | DMZ | DMB |
|--|--------------------|-------|----------------|-------|-------|-------|
| Viscosity at 40 °C | mm ² /s | Max | 5.500 | 6.000 | 6.000 | 11.00 |
| | | Min | 1.400 | 2.00 | 3.00 | 2.00 |
| Density at 15°C | kg/m ³ | Max | – | 890.0 | 890.0 | 900.0 |
| Micro Carbon Residue at 10% Residue | % m/m | Max | 0.30 | 0.30 | 0.30 | – |
| Micro Carbon Residue | % m/m | Max | – | – | – | 0.30 |
| Sulfur | % m/m | Max | 1.00 | 1.50 | 1.50 | 2.00 |
| Water | % V/V | Max | – | – | – | 0.30 |
| Total Sediment by Hot Filtration | % m/m | Max | – | – | – | 0.10 |
| Ash | % m/m | Max | 0.010 | 0.010 | 0.010 | 0.010 |
| Flash Point | °C | Min | 43.0 | 60.0 | 60.0 | 60.0 |
| Pour Point | Winter | Max | – | -6 | -6 | 0 |
| | Summer | | – | 0 | 0 | 6 |
| Cloud Point | °C | Max | -16 | – | – | – |
| Cetane Index | – | Min | 45 | 40 | 40 | 35 |
| Acid Number | mgKOH/g | Max | 0.5 | 0.5 | 0.5 | 0.5 |
| Oxidation stability | g/m ³ | Max | 25 | 25 | 25 | 25 |
| Lubricity, Corrected Wear Scar Diameter (WSD at 60 °C) | µm | Max | 520 | 520 | 520 | 520 |
| Appearance | – | – | Clear & Bright | | | – |

The above information is for informational purposes only.
 Clipper Oil assumes no responsibility for any errors or omissions.