

**SPECIFICATION****GAS OIL 500 PPM**

| PROPERTIES | UNIT | TEST METHOD | GUARANTEED |
|---|-------------|------------------------------------|--|
| APPEARANCE | VISUAL TEST | | CLEAR & BRIGHT, WITHOUT UNDISSOLVED SEDIMENT OR FREE WATER |
| ACID NUMBER, TOTAL | MG/KOH/G | ASTM D664 | 0.5 MAX |
| ASH CONTENT | % WEIGHT | ASTM D482, EN ISO 6245 | 0.01 MAX |
| CETANE INDEX | RANGE 0-100 | ASTM D4737, EN ISO 4264 | 48 MIN |
| CETANE NUMBER | RANGE 0-101 | ASTM D613, EN ISO 5165 | |
| CONRADSON CARBON RESIDUE (10% DISTILLATION) | % MASS | ASTM D4530, EN ISO 10370 | 0.2 MAX |
| COLOUR | GRADE | ASTM D1500 / IP 196 | 2 MAX |
| CONDUCTIVITY @ 25°C | Ps/m | ASTM D2624, EN ISO 6297:1997 | |
| COPPER CORROSION (3 HRS @ 50°C) | CLASS | ASTM D130, EN ISO 2160 | 1 MAX |
| DENSITY @ 15°C | g/ml | ASTM D4052, EN ISO 3675 | 0.82 - 0.86 |
| DISTILLATION T95 (95% RECOVERED) | °C | ASTM D86, EN ISO 3405:1998 | 370 MAX |
| FLASH POINT (COC) | °C | ASTM D93, EN 22719 | 66 MIN |
| FATTY ACID METHYL ESTERS (FAME) | % | ASTM D7371 | NIL |
| KINETIC VISCOSITY @ 40°C | cSt | ASTM D445, EN ISO 3104 | 2.0 - 4.5 |
| LUBRICITY (HFRR) (WSD1,4) @ 60°C | MICRONS | ASTM D6079, IP 450, ISO 12156-1 | 460 MAX |
| ODOR | | | |
| OXIDATION STABILITY | mg/L | ASTM D 2274, EN ISO 12205 | |
| PARTICULATE MATTER | mg/kg | EN 12662 | |
| POLYAROMATIC HYDROCARBONS (PAHS) | % WEIGHT | IP 391: 1995 | |
| POUR POINT | °C | ASTM D97 | 9 MAX |
| SULFUR CONTENT | PPM | ASTM D5453, EN ISO 20846/7 & 20884 | 500 MAX |
| WATER CONTENT | mg/kg | EN ISO 12937 | |
| WATER AND SEDIMENT | % VOLUME | ASTM D2709 | 0.05 MAX |