



LIGHT FUEL OIL "LFO" 80 CST

| CHARACTERISTIC | LIMIT | TEST METHOD |
|------------------------------------|--------------|--------------------|
| DENSITY @ 15 DEG C KG/L | MAX 0.991 | ASTM D1298/D4052 |
| KINEMATIC VISCOSITY @50 DEG C, CST | MAX 80 | ASTM D445 |
| WATER BY DISTILLATION, VOL% | MAX 0.50 | ASTM D95 |
| POUR POINT, DEG C | MAX 24 | ASTM D97 |
| FLASH POINT, DEG C | MIN 60 | ASTM D93 |
| SULPHUR, WT% | MAX 3.5 | ASTM D4294 |
| MCR (OR CCR), WT% | MAX 16 | ASTM D4530/D189 |
| ASH, WT% | MAX 0.10 | ASTM D482 |
| SEDIMENT BY EXTRACTION, WT% | MAX 0.10 | ASTM D473 |
| TOTAL SEDIMENT EXISTENT, WT% | MAX 0.10 | IP375 |
| SODIUM, WT PPM | MAX 100 | AAS |
| VANADIUM, WT PPM | MAX 200 | AAS |
| ALUMINIUM + SILICON, WT PPM | MAX 80 | IP377 |
| ALUMINIUM, WT PPM | MAX 30 | IP377 |
| GROSS CALORIFIC RESIDUE, KJ/KG | MIN 41,800 | D4868/D240 |

USED LUBRICATING OIL (ULO)

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|------------|--------|--------|
| ZINC | MAX 15 | IP 501 |
| PHOSPHORUS | MAX 15 | IP 501 |
| CALCIUM | MAX 30 | IP 501 |