



Lanka IOC

**SPECIFICATIONS OF GAS OIL (0.25% MAX. SULPHUR)**

PROPERTY / TEST	TEST METHOD	SPECIFICATIONS
APPEARANCE		CLEAR AND BRIGHT, FREE FROM WATER AND VISIBLE IMPURITIES
DENSITY AT 15°C kg/m <sup>3</sup>	IP 160 / ASTM D 1298	820 - 860
COLOUR	IP 196 / ASTM D 1500	MAX. 1.5
DISTILLATION IBP °C 10PCT. EVAPORATION °C 50PCT. EVAPORATION °C 95PCT. EVAPORATION °C RECOVERY AT 315°C RECOVERY AT 350°C	IP 123 / ASTM D 86	REPORT REPORT REPORT MAXIMUM 370 MINIMUM 50 MINIMUM 80
CETANE INDEX OR CETANE NUMBER	ASTM D 976 / D 4737 ASTM D 613	MINIMUM 46* MINIMUM 49
CLOUD POINT °C	ASTM D 2500	MAXIMUM 15.5
CFPP °C	IP 309 / ASTM D 6371	MAXIMUM 10
SULPHUR CONTENT PCT (m/m)	ASTM D 4294	MAXIMUM 0.25%
FLASH POINT °C	IP 34 / ASTM D 93	MINIMUM 60
VISCOCITY KIN AT 40°C, cst	IP 71 / ASTM D 445	2 – 4.5
WATER CONTENT PCT (V/V)	IP 74 / ASTM D 95	MAXIMUM 0.05
CU-STRIP CORROSION 3 HRS AT 50°C	IP 154 / ASTM D 130	MAXIMUM 1
ASH PCT (m/m)	IP 4 / ASTM D 482	MAXIMUM 0.02
CARBON RESIDUE, RAMSBOTTOM ON 10 PCT. RESIDUE PCT (m/m)	IP 14 / ASTM D 524	MAXIMUM 0.3
SEDIMENTS BY EXTRACTION PCT (m/m)	IP 53 / ASTM D 473	MAXIMUM 0.01
TOTAL ACID NO. KOH mg/g	IP 1 / ASTM D 974	MAXIMUM 0.15
STRONG ACID NO. KOH mg/g	IP 1 / ASTM D 974	NIL
CALORIFIC VALUE GROSS k Cal/kg	IP 12 / ASTM D 240	MINIMUM 10500
CALORIFIC VALUE NET k Cal/kg	IP 12 / ASTM D 240	REPORT
OXIDATION STABILITY g/m <sup>3</sup>	ASTM D 2274	MAXIMUM 25
DSEP RATING	ASTM D 7261	50 - 100
FAME	ASTM D 7371	NIL

**IMPORTANT**

\* NOT APPLICABLE IF ANY CETANE IMPROVER ADDITIVES IS PRESENT

\*\* ADDITION OF BIO DIESEL OR BIODIESEL BLENDS ARE NOT PERMITTED