


LIGHT DIESEL OIL

A diesel/kerosene blend that is common in most Asian countries as a less expensive alternative to straight diesel.

Khushbu Petro-Chem R & D Centre *Analysis of Petroleum Products & Lubricants*

TEST REPORT						ORIGINAL
TO			SAMPLE SUBMITTED BY PARTY AS			
BIO-MARINE SOLUTION (NZ) LTD. P.O. BOX 15-996 AUCKLAND 0640			LIGHT DIESEL OIL & LIGHT DIESEL OIL + New Formula Fuel Stick			
			TEST REPORT NO.: KPC/326/SEP/2008			
			DATE: 15 th September 2008			
SR. NO.	SPECIFICATIONS	UNITS	TEST RESULTS		STANDARD VALUE BIS:1460	
			LDO	LDO + New Formula Fuel Stick		
1.	KINEMATIC VISCOSITY AT 40°C	CST	7.8	7.9	2.4- 15.7	
2.	ACIDITY, TOTAL	%	Nil	Nil	NIL	
3.	ASH	% BY WT	0.02	0.02	0.02	
4.	FLASH POINT, COC	°C	82	84	66 MIN.	
5.	WATER CONTENT	% BY WT	Nil	Nil	1.0 MAX.	
6.	POUR POINT	°C	+9	+8	12 - 18	
7.	DENSITY AT 27°C	GM/CC	0.854	0.856	TO REPORT	
8.	SEDIMENTS	% BY MASS	0.08	0.05	0.10	
9.	TOTAL SULPHUR	% BY MASS	1.45	1.28	1.80	
10.	COPPER STRIP CORROSION TEST FOR 3 HRS AT 100°C	NO UNITS	1a	1a	1 MAX.	
11.	GROSS CALORIFIC VALUE	KCAL/KG	10050	10460	ABV.10000	
INTERPRETATION / CONCLUSION:			FOR, KHUSHBU PETRO-CHEM R & D CENTRE			
The addition of New Formula Fuel Stick in LDO decreases Sulphur content to 0.17 % by mass & sediments to 0.03 % by mass. It also increases gross calorific value upto 410 Kcal/Kg.						
THIS REPORT IS PREPARED IN GOOD FAITH UNDER STANDARD TEST CONDITIONS. THE REPORT OR PART THERE OF MUST NOT BE USED FOR ANY LEGAL MATTER. REGISTRATION NO.: 0401/32623			AUTHORIZED SIGNATORY			

The Addition of FUEL STICK will:

RAISE THE FLASH POINT
The volatility of the fuel

LOWER THE POUR POINT
The temperature it starts to crystallize

REDUCE THE SULPHUR CONTENT

NOT CORROSIVE TO ENGINE PARTS

INCREASE THE CALORIFIC VALUE
The heat output of the fuel

THIS FUEL WILL BURN CLEANER AND HOTTER WITH LESS EMISSIONS