



PETROTM OIL

LubenzAdd® 4011 **4-STROKE ENGINE OIL ADDITIVE PACKAGE**

❖ **PRODUCT INTRODUCTION:**

Lube Add 4011 is an Additive package to meet the API SG to SL/CF4. It has good high temperature detergency, low temperature dispersancy, anti-oxidation, anti-wear and other property. It provides excellent friction reduction and soot control during the operation.

❖ **RECOMMENDED DOSAGE:**

API	SAE VISCOSITY GRADE	TREAT RATE
SG	20W40, 15W40,	4.50%
SL / CF 4	20W40, 15W40, 20W50	6.20%

❖ **PRODUCT QUALITY CHARACTERISTICS & TEST METHOD:**

PROPERTIES	TEST METHOD	TYPICAL VALUES
Appearance	Visual Inspection	Dark Brown Clear Liquid
Calcium Content, %wt	ASTM D4951	4.00%
Zinc Content, %wt	ASTM D4951	1.20%
Phosphorus % wt	ASTM D4951	1.10%
Nitrogen, % wt	ASTM D 2868	0.40%
Molybdenum, % wt	ASTM D4951	0.16%
TBN, mg KOH/gm	ASTM D2896	115
Flash Point	ASTM D92	Min 170
Kinematic Viscosity in cSt @100°C	ASTM D445	60

❖ **PRODUCT STORAGE / HANDLING / TRANSPORTATION / PACKAGE:**

The Storage temperature should not exceed 50°C the loading / unloading and blending temperature should not exceed 60°C. It is not flammable, not explosive, not corrosive, in the items of safety, environment protection etc. it is normal petroleum product, with no special protection. The product packed with 200 Kgs drums and 50 kgs carbos.

❖ **SAFETY AND HANDLING INFORMATION:**

For further information, please refer to relevant MSDS