



## LubenzAdd® 5011 DIESEL ENGINE OIL ADDITIVE

### ❖ PRODUCT INTRODUCTION:

LubenzAdd 5011 is a superior additive package developed for the application in formulating moderate duty diesel engine oils. The CF-4 grade diesel engine oil blended with LubenzAdd 5011 has excellent soot dispersing performance, high temperature detergency, antioxidation and anti-corrosion performance.

### ❖ RECOMMENDED DOSAGE:

API	SAE VISCOSITY GRADE	TREAT RATE
CF – 4	20W40, 15W40	6.2 %
CF/CD	20W40, 15W40	4.0%

### ❖ PRODUCT QUALITY CHARACTERISTICS & TEST METHOD:

PROPERTIES	TEST METHOD	TYPICAL VALUES
Appearance	Visual Inspection	Dark Brown Clear Liquid
Calcium Content, %wt.	ASTM D4951	5.30
Zinc Content, %wt.	ASTM D4951	1.40
Phosphorus %wt.	ASTM D4951	1.30
Nitrogen, %.	ASTM D 2868	0.60
Flash Point	ASTM D92	Min 180
TBN, mg KOH/gm	ASTM D2896	135
Kinematic Viscosity, cSt @100°C	ASTM D 445	70

### ❖ 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