

## **IPOL ENHANCO GEAR OILS - FM**

### **(Premium quality Industrial gear oils)**

#### **Description:**

**IPOL ENHANCO GEAR OILS-FM** is state of the art friction modified gear oils which are based on the highly refined base stocks and tribo-chemically proven additive package. These gear oils are designed to provide energy efficient, reduced wear, pitting, scuffing and scoring during operation.

These oils are a perfect replacement in place of regular gear oils containing solid additive package.

#### **Benefits:**

**IPOL Enhenco Gear oils - FM** offers following benefits.

- Low coefficient of friction providing maximum energy saving in heavy duty application.
- Excellent under shock loads
- Excellent load carrying capacity
- Fortified with rust inhibitors
- Excellent anti-wear properties
- Reduction in noise level
- Low foaming

#### **Application:**

- Recommended for various industrial gear boxes operating under extremely heavy loads.
- Ideal for hypoid gears
- Industrial gear boxes exposed to sliding friction and pressure.
- Avoid mixing of IPOL Enhenco gear oils FM with regular gear oils for obtaining optimum benefits.
- Not recommended for synchronized gears. Please revert to us for special application.

#### **Packaging:**

IPOL ENHANCO Gear Oils FM available in 210 Ltr. Drum/20 Ltrs. Pail.

Spltech/00-00/0710  
Page 1 of 2

### Typical Results: IPOL Enhanco Gear Oils – FM

Properties	Method	150	220	320	460
Kinematic viscosity @40°C cSt.	ASTM D 445	155	214.3	325.8	455
Kinematic Viscosity @100°C cSt.	ASTM D 445	15.7	19.5	25.2	32.4
Viscosity Index, min.	ASTM D 2270	97	97	95	95
Specific Gravity @30°C	ASTM D- 1276	0.869	0.872	0.885	0.910
Copper Strip Corrosion at 100°C,3 hrs.	ASTM D – 130	1A	1A	1A	1A
Rust Characteristics Proc. A – 24 hrs.	ASTM D 665	Pass	Pass	Pass	Pass
Pour Point °C	ASTM D 97	-12	-12	-12	-12
Flash point (COC.)°C min.	ASTM D 92	224	246	272	284
Seal Compatibility volume change %	-	-2.0	-2.0	-2.0	-2.0
Shore Hardness Change	-	+3	+3	+3	+3
FZG, Fail Stage	DIN 51354	12+	12+	12+	12+
SETA 4 ball weld load, kg	-	300	300	320	320
4 Ball wear, Scar Dia, 20kg, 54°C, 1800 rpm, 1 hr. µm	ASTM D 4172	0.32	0.32	0.30	0.40

Note: The information provided is not to be taken as a warranty or representation for which we assume no legal responsibility, nor as permission or recommendation to practice any attended location or otherwise. It is solely offered for your consideration, investigation and verification.

Spitech/00-00/0710  
Page 2 of 2