

## **Drip Less**

Irrigation Pump Drip Oil

No. 704

### **DESCRIPTION:**

**Drip Less Irrigation Pump Drip Oil** is compounded from the highest quality base oils and Frontiers exclusive high Viscosity Index drip oil additive package. Viscosity Index (VI) is a measurement of an oils ability to maintain its viscosity and not thicken or thin with temperature variations. The higher the number, the better the oil. **Drip Less** has a VI of 164, the highest in the industry. **Drip Less** is extremely moisture and chemical resistant and has a strong affinity to metal. This heavily fortified lubricant assures the ultimate lubrication of water well line shaft bearings.

### **COMPOSITION:**

**Drip Less** is compounded with premium quality high viscosity index (VI) hydro processed group II+ base oil. Fortified with:

Anti-foam Additives  
Oxidation Inhibitors  
Anti-wear Additives

Demulsibility Additives  
Pour Point Depressants  
Corrosion Inhibitor

VI Improvers  
MTX Friction Reducer  
Rust Inhibitors

### **USES:**

**Drip Less** is designed for use in drip lubrication systems for water well line shaft bearings. It is intended for use in deep well irrigation turbine pumps where lubrication of the line shaft bearings is accomplished by a steady drip of oil down the shaft

### **TYPICAL APPLICATIONS:**

**Drip Less** is quality engineered specifically for use in:

Turbine Pumps

Water Wheels

Irrigation Systems

### **PERFORMANCE CHARACTERISTICS:**

**Drip Less** flows evenly under all temperature conditions. **Drip Less** has excellent solvency characteristics to keep lubricating passages clean and free from sludge and varnish buildup. **Drip Less** is the superior irrigation pump oil that:

- Reduces oil consumption.
- Has high viscosity index to prevent thinning in hot weather or thickening in cold weather.
- Is made from only the finest base oil and additives.
- Provides fast water separation – prevents oil from emulsifying.
- Resists corrosion and provides long-term protection.

**APPLICATION RATES:**

Shaft Diameter (inches)	Basic Drops Per Minute	Additional Drops Per Minute per 100 Ft Setting
.75 – 1.19	5	2
1.50 – 1.68	7	3
1.94 – 2.43	10	4
2.68 and Larger	12	5

*\*Allow the oil to run for about 2 minutes before cranking. Rates are approximate.*

**SPECIFICATIONS:**

<b>ISO Grade</b>	<b>46</b>
<b>SAE Grade</b>	<b>20</b>
Viscosity	
@ 40° C, cSt:	46.66
@ 100° C, cSt:	8.60
Viscosity Index:	164
Flash Point, COC, °F	440
Pour Point, °F:	-40
Color, Saybolt:	+30
API Gravity:	32.0

Oxidation Stability, TOST, hr <sup>1</sup>	ASTM D-943	8,000+
Four Ball Wear Test 40 KG, 1 hour @ 167° F	ASTM D-2266	Scar 0.51
Copper Strip Corrosion	ASTM D-130	1a
Corrosion test, Steel,	ASTM D-665	Pass
Foam Test	ASTM D-892	Pass
Rust Test	ASTM D-665	Pass
Demulsibility Test	ASTM D-1401	Pass

Values shown here are typical, and may vary.

**PERFORMANCE PRODUCTS GUARANTEED**

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