

## PETRO-LUBE PAG SERIES

### SYNTHETIC PAG GEAR LUBRICANTS

PETROCHEM'S PETRO-LUBE PAG SERIES are polyglycol based gear lubricants formulated for use in enclosed gear systems operating where conditions demand the unique properties of these fluids. These fully synthetic polyglycol (PAG) lubricants are intended for industrial use where incidental contact with food does not occur.

#### PRODUCT FEATURES:

- Excellent wear protection, thermal and oxidation stability
- Reduced sludge and deposit formation to insure enhanced performance when compared with petroleum-based lubricants.
- Tough extreme pressure (EP) properties to protect metal from seizure and wear.
- Extremely good low and high temperature properties
- These lubricants are incompatible with other oils
- Special care should be taken when changing from mineral oil or PAO based product to PETRO-LUBE PAG oils to make sure the two types are not mixed. The systems should be flushed and cleaned of oil and residual sludge. All deteriorated seals should be replaced.
- Check lubricant after 2 days to ensure it is free of contamination, sludging or foaming.
- Available in 1 gallon, 5-gallon pail or 55-gallon drum

#### PHYSICAL PROPERTIES:

| Property                | ASTM Test Method | ISO 220 (SAE 90) | ISO 320 (SAE 90) | ISO 460 (SAE 140) | ISO 680 (SAE 140) |
|-------------------------|------------------|------------------|------------------|-------------------|-------------------|
| Viscosity Index         | D-2270           | 238              | 245              | 255               | 268               |
| Viscosity @ 40° C, cSt  | D-445            | 237              | 314              | 441               | 654               |
| Viscosity @ 100° C, cSt | D-4451           | 42.9             | 55.7             | 76.6              | 111               |
| Flash Point, ° F (°C)   | D-92             | 510 (266)        | 520 (272)        | 530 (277)         | 525 (274)         |
| FZG Spur Gear Test      | D-51354          | 12+ Pass         | 12+ Pass         | 12+ Pass          | 12+ Pass          |
| Pour Point, ° F (°C)    | D-97             | -49 (-45)        | -49 (-45)        | -44 (-42)         | -44 (-42)         |
| Specific Gravity        | D-1298           | 1.052            | 1.054            | 1.056             | 1.057             |

#### THERMAL CHARACTERISTICS:

| Specific Heat | Thermal Conductivity |
|---------------|----------------------|
| 60°C = 0.48   | BTU/Hr (Ft °F)       |
| 80°C = 0.49   | 100°F = 0.095        |
| 100°C = 0.51  | 200°F = 0.090        |

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**HANDLING PRACTICES:**

For information on the safe handling and use of this product refer to the Material Safety Data Sheet. For more information and availability, call (630) 513-6350.