

## ADVANTAGE PAO SYNTHETIC LUBRICANTS

### Overview

ADVANTAGE PAO SYNTHETIC LUBRICANTS are synthetic gearbox, bearing, and circulating oils that are formulated from premium polyalphaolefin (PAO) base fluids for enclosed systems requiring ashless antioxidants and anti-wear. These oils have been designed to provide proper lubrication under hydrodynamic and mild boundary lubrication conditions. They are recommended for gear systems where moderate loads and high temperatures are expected, including worm gears containing soft metals such as bronze, brass and copper.

### Features and Benefits

ADVANTAGE PAO SYNTHETIC LUBRICANTS are 100% synthetic PAO lubricants formulated for wide operating temperature ranges. Their low pour points and high flash points provide increased thermal and oxidative stability over mineral based lubricants.

### Applications

ADVANTAGE PAO SYNTHETIC LUBRICANTS are designed to be multipurpose lubricants that can be used a wide variety of industrial applications. They are similar to petroleum oils in their compatibility to seals, hoses, gaskets and paint. Key applications include: rotary screw compressors, rotary vane compressors, centrifugal compressors, reciprocating compressors, vacuum pumps, hydraulic systems, blowers, enclosed spur, helical, bevel & worm gear units, plain and roller contact bearings, circulating and splash lubricated systems, and mist systems.

### Typicals

|                         | 964  | 965  | 966  | 967   | 968   | 969   | 980   | 981   | 727   | TBD   |
|-------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| Product Code            | 964  | 965  | 966  | 967   | 968   | 969   | 980   | 981   | 727   | TBD   |
| ISO Viscosity Grade     | 32   | 46   | 68   | 100   | 150   | 220   | 320   | 460   | 680   | 1000  |
| Viscosity, cSt @ 40 °C  | 31.1 | 47.3 | 68.6 | 95.2  | 156.3 | 230.4 | 311.3 | 486.2 | 676.7 | 980.9 |
| Viscosity, cSt @ 100 °C | 5.75 | 7.86 | 10.1 | 12.85 | 18.29 | 24.14 | 29.57 | 41.37 | 54.35 | 98.02 |
| Viscosity Index         | 127  | 136  | 132  | 133   | 131   | 131   | 130   | 133   | 133   | 136   |
| Flash Point, °C         | 240  | 240  | 238  | 260   | 260   | 262   | 270   | 270   | 270   | 270   |
| Pour Point, °C          | -48  | -48  | -48  | -45   | -35   | -33   | -27   | -25   | -25   | -23   |
| Copper Corrosion        | 1B   | 1B   | 1B   | 1B    | 1B    | 1B    | 1B    | 1B    | 1B    | 1B    |
| Rust Prevention         | Pass | Pass | Pass | Pass  | Pass  | Pass  | Pass  | Pass  | Pass  | Pass  |
| Evaporation, %          | <1%  | <1%  | <1%  | <1%   | <1%   | <1%   | <1%   | <1%   | <1%   | <1%   |
| Specific Gravity        | 0.86 | 0.86 | 0.87 | 0.87  | 0.87  | 0.87  | 0.88  | 0.88  | 0.88  | 0.88  |