# GAS-PLUS
# DI-EST 320

GAS COMPRESSOR OILS

326800701


## SYNTHETIC DI-ESTER BASED COMPRESSOR FLUIDS FOR GAS COMPRESSOR APPLICATIONS

This particular product is comprised of high-quality synthetic ester base fluids and specially formulated additive systems. It has a proven track record for providing long-lasting lubrication in screw, rotary vane, or reciprocating (piston type) compressors. This product has been shown to be highly effective in compressing a wide range of gases, including Air, Butadiene, Carbon Dioxide (dry), Carbon Monoxide, Ethylene, Furnace (crack) Gas, Helium, Hydrogen, Hydrogen Sulphide (dry), Natural Gas, Methane, Nitrogen, Propane, Synthesis Gas, Sulphur Hexafluoride, and more. It has a nominal operating range of -15°C to 230°C, and provides exceptional protection to compressors operating in extreme conditions. This includes high loads and temperatures, compressing reactive and dirty gases, intermittent operation, as well as operating in warm or cold climates, and even in mobile applications.

| PROPERTY | METHOD | VALUE |
|---|---|---|
| ISO Viscosity Grade | ASTM D2422 | 320 |
| Viscosity @ 40 °C, mm²/s | ASTM D445 | 24.9 |
| Viscosity @ 100 °C, mm²/s | ASTM D445 | 305 |
| Viscosity index | ASTM D2422 | 105 |
| Pour point, °C | ASTM D97 | -24 |
| Flash point C.O.C, °C | ASTM D92 | 270 |
| Demulsibility | ASTM D1401 | excellent |
| Evaporation, % | ASTM D972 | <1 |
| Copper Corrosion | ASTM D130 | 1a |
| Density @ 15 °C, kg/dm³ | ASTM D1298 | 0.94 |

## CATEGORY

- Compressor- and Vacuumpump Fluids

## BENEFITS

- These products have a multitude of advantages over mineral and other synthetic oils: Reduced compressor maintenance with very long drain intervals. Up to 8 times the service life of mineral oils
- Low friction properties and resistance to viscosity increase from oxidation. This helps to improve operating efficiency and saves money on electrical energy consumption
- Excellent foam control, reducing heat, oxidation and wear. High contact regions are protected against wear for increased compressor life and efficiency
- Enhanced water separation. Water from condensation can cause unwanted oil/water emulsions, environmental discharge hazards and rust. It resists acid formation, readily separates from water and is anti-rust fortified. Water can be easily drained off for simplified environmental discharge and increased oil life
- Increased resistance to varnish, carbon and acid formation. Providing better protection and longer service life than petroleum oils, especially during hot operating conditions
- Low volatility, resulting in lower evaporation losses and fewer problems with the oil getting into air tools, instruments or even the production process. It also means there is less oil to remove in the air/oil separators and fewer air filter changes
- Fire and explosion possibilities are greatly reduced due to the low carbon forming tendencies and due to the relatively high flash, fire and auto ignition points. Operating temperature reduction. It cools and removes heat more efficiently. These benefits mean for the user of this product: higher reliability and lower operational costs. The reliability is also supported by our own oil analysis program.



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