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Synthetic Air Compressor Diester Lubricant

Product Information - MSDS Data Sheet

SYNTHETIC COMPRESSOR LUBRICANT

Diester Series synthetic lubricants are unique combinations of quality diester base-stocks and the latest additive technology. Diester lubricants cover applications for rotary vane, rotary screw, and all ages and design-types of reciprocating compressors. Diester lubricants are especially noted for the following benefits: (1) Low temperature fluidity, (2) Better thermal conductivity, (3) Reduced friction, (4) High temperature thermal stability, (5) Greater resistance to mechanical stress, (6) Reduced metal-to-metal wear, and (7) Better demulsibility characteristics. These lubricants are designed for use in the crankcase and as a cylinder lubricant. They are compatible with almost all elastomers used in compressors and pumps, including paint used in crankcases.

Compatibility: Epoxy Paint, Celcon, Viton®, Medium & High Nitrile Rubber (Buna N, [high] NBR- > 36% Acrylonitrile, [med] 30-36%), Teflon®, Oil Resistant Alkyd, and Nylon.

Physical Properties

| Diester- | 32 | 46 | 68 | 100 | 125 | 150 | 1220** |
|-----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| PFI Part Number | 2562 | 2563 | 2400 | 2560 | 2557 | 4931 | |
| OEM-Mobil Oil Rarus | 824 | | 826 | 827 | 829 | | |
| ISO Viscosity Grade | 32 | 46 | 68 | 100 | 100/150* | 150 | |
| Viscosity: | | | | | | | |
| Cst @ 40°C | 31.0 | 42.0 | 65.0 | 98.5 | 127.0 | 151.0 | |
| Cst @ 100°C | 5.00 | 5.74 | 8.35 | 10.90 | 13.60 | 15.20 | |
| Viscosity Index | 74 | 66 | 97 | 94 | 103 | 101 | |
| Specific Gravity | 0.9400 | 0.9650 | 0.9640 | 0.9610 | 0.9570 | 0.9560 | |
| Density lbs/gal | 7.837 | 8.037 | 8.037 | 8.008 | 7.975 | 7.962 | |
| Pour Point °F (°C) | -65 (-54) | -65 (-54) | -40 (-40) | -30 (-34) | -30 (-34) | -30 (-34) | |
| Flash Point °F (°C) | 490 (254) | 470 (244) | 490 (254) | 495 (257) | 495 (257) | 505 (263) | |
| Autoignition Point °F (°C) | 765 (407) | 720 (373) | 765 (407) | 780 (416) | 785 (418) | 785 (418) | |
| Copper Corrosion | 1A | 1A | 1A | 1A | 1A | 1A | |

Diester Series lubricants are formulated to keep compressors free of varnish and sludge build-up while extending drain intervals to 8000 hours.

* ISO-125 falls between the ISO-100 and ISO-150 viscosity range.

** Diester 1220 available upon request.

The information contained in this document is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability.