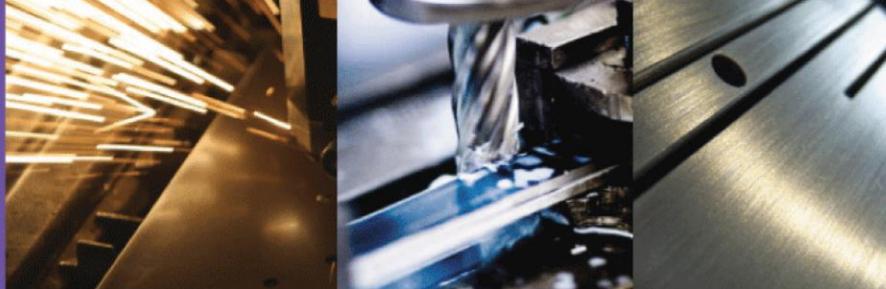


MET HYDRAULIC

Antiwear Hydraulic Fluid



PRODUCT DESCRIPTION:

MET HYDRAULIC oils were developed with today's modern hydraulic systems in mind which is toward smaller pumps that deliver fluid at higher pressures than ever before, and while this increases the efficiencies of these systems, it places more stress on the hydraulic fluid because smaller systems tend to operate at higher temperatures. They are formulated with thermally stable base oils to withstand high-temperature operating conditions, resist oxidation, and results in an oil that can yield extremely long drain intervals even under extreme conditions.

MET HYDRAULIC oils surpass the antiwear requirements of all hydraulic pump manufacturers, and in laboratory testing, they can extend piston, vane and gear pumps life beyond that provided by conventional hydraulic oils. They are also more water tolerant than most commodity hydraulic fluids, and studies by Denison, a leader in the manufacturing of Vane and Piston pumps, has found that many hydraulic oils will block filters when contaminated with water due to additive drop-out, but testing has shown that they show minimal filter blockage as demonstrated by the AFNOR filterability test.

BENEFITS:

- Extended Drain Intervals
- Reduced Sludge and Varnish deposits
- Outstanding Wear Protection
- Excellent Demulsibility and Filterability

APPROVALS:

- Denison HF-0, HF-1, HF-2
- US Steel 127, 136
- DIN 51524, Part 2, Type HLP
- Vickers I-286-S, M-2950-S



| MET HYDRAULIC AW | 22 | 32 | 46 | 68 | 100 | 150 | 220 | 320 | 460 |
|----------------------|------|------|------|------|------|------|------|-------|-------|
| API Gravity | 33.7 | 32.8 | 31.7 | 30.9 | 30.3 | 29.2 | 28.2 | 27.1 | 24.3 |
| Viscosity 100° F SUS | 105 | 156 | 238 | 350 | 516 | 774 | 1147 | 1684 | 2425 |
| Viscosity 210° F SUS | 39.8 | 44.0 | 49.4 | 55.5 | 65.3 | 79.7 | 98.9 | 124.6 | 148.0 |
| Viscosity 40° C cSt | 20.4 | 30.3 | 46.2 | 67.6 | 99.2 | 148 | 218 | 318 | 454 |
| Viscosity 100° C cSt | 4.13 | 5.26 | 6.90 | 8.71 | 11.4 | 15.0 | 19.5 | 25.2 | 30.5 |
| Pour Point °F | -10 | -10 | -10 | -10 | -10 | 5 | 5 | 10 | 10 |
| Flash Point °F | 375 | 410 | 445 | 445 | 445 | 475 | 485 | 485 | 580 |
| Viscosity Index | 102 | 105 | 105 | 102 | 101 | 102 | 102 | 102 | 95 |
| Cincinnati Milacron | — | P-68 | P-70 | P-69 | — | — | — | — | — |

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The Metalloid Partnership Advantage