



Premium Hydraulic Oil

Features & Benefits

- Excellent corrosion and wear protection for extended pump life
- Excellent foam resistance for efficient pump operation
- Excellent water tolerance
- Outstanding oxidation resistance

Typical Results

| Test Method | 15 | 22 | 32 | 46 | 68 | 100 |
|---|-------------|-------------|-------------|-------------|-------------|---------------|
| ISO GRADE | 15 | 22 | 32 | 46 | 68 | 100 |
| ASTM COLOUR (D1500) | 1.0 | 1.0 | 1.5 | 1.5 | 2.5 | 2.5 |
| VISCOSITY (D445) cSt @ 40°C cSt @ 100°C | 15.3 3.6 | 22.2 4.7 | 32.4 5.8 | 44.2 7.2 | 68.8 9.6 | 101.9 12.3 |
| VISCOSITY INDEX (D2270) | 119 | 133 | 122 | 124 | 119 | 113 |
| DENSITY (D4052), (kg/L) | 0.84 | 0.84 | 0.85 | 0.85 | 0.86 | 0.87 |
| POUR POINT (D5949), °C | -55 | -50 | -45 | -43 | -40 | -35 |
| FLASH POINT (D93), (°C) | 189 | 202 | 219 | 221 | 230 | 223 |
| OXIDATION LIFE (D943), (HRS) | 5500+ | 5000+ | 5000+ | 4500+ | 3000+ | 2000+ |
| ZINC CONTENT, (D4951), (%wt) | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| DEMULSE (D1401), TIME TO 40/40/0, MIN. | 15 | 35 | 20 | 10 | 10 | 5 |

Sizes & Order Codes

| Size | 15 | 22 | 32 | 46 | 68 | 100 |
|-------------------------------|----------|----------|----------|----------|----------|----------|
| 3.78L / 1 US Gal | - | - | F0006626 | - | - | - |
| 18.9L / 5 US Gal | F0087640 | F0087740 | F0082840 | F0088140 | F0088240 | F0087540 |
| 205L / 54.2 US Gal | - | F0013150 | F0013250 | F0013350 | F0013450 | F0012950 |
| 500L / 132 US Gal | - | - | - | - | F0007255 | - |
| 1000L / 264 US Gal | - | F0006460 | F0006660 | F0007060 | F0007260 | F0006060 |
| 1000L / 264 US Gal Metal Tote | - | - | F0128460 | - | F0128360 | - |
| 1000L / 264 US Gal Bulk Tote | - | F0108701 | F0105701 | F0109801 | F0105801 | - |
| Bulk | B0006101 | B0006401 | B0006601 | B0007001 | B0007201 | B0006001 |



Premium Hydraulic oils are high-performance anti-wear hydraulic oils. These oils are blended from quality paraffinic mineral oil, which gives them the ability to maintain their viscosity over a relatively wide range of operating temperatures.

Premium Hydraulic oils are fortified with additives to provide the best possible wear protection and service life.

Premium Hydraulic oils protect hydraulic pumps and motors while resisting deterioration, water contamination and sludge formation.

Premium Hydraulic oils provide superior performance in all critical areas as proven by industry-standard tests, many of them developed by the pump manufacturers themselves.

Premium Hydraulic oils are NOT recommended for use with pumps that contain silver-plated parts. For these applications, use Irving D&E oils.



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1.800.574.5823

Premium Hydraulic Oil



Specifications

✓ Meets Requirements

| Specifications/Claims | 15 | 22 | 32 | 46 | 68 | 100 |
|---|----|----|----|----|----|-----|
| DIN 51524-2 (HLP) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ASTM D6158 (HM) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ISO 11158 (HM) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| SAE MS 1004 (HM) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Parker (formerly Denison) HF-0, HF-1, HF-2 | - | - | ✓ | ✓ | ✓ | - |
| Eaton M-2950-S, I-286-S3 | - | - | ✓ | ✓ | ✓ | - |
| Eaton 35VQ25 (Obsolete) | - | - | ✓ | ✓ | ✓ | - |
| Bosch Rexroth RE 90220 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Bosch Rexroth 90240 (Obsolete) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| GM LS-2 | - | ✓ | ✓ | ✓ | ✓ | - |
| Fives P-68 | - | - | ✓ | - | - | - |
| Fives P-69 | - | - | - | - | ✓ | - |
| Fives P-70 | - | - | - | ✓ | - | - |
| AIST 126 | - | - | ✓ | ✓ | ✓ | - |
| AIST 127 | - | - | ✓ | ✓ | ✓ | - |



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Always consult your owner's manual for verification of fluid type and grade!

Supporting data available to demonstrate acceptable performance. Check with your sales associate for latest product approvals.

Please note, these are typical performance indicators and can change without notice.

This data sheet replaces previous versions prior to October 6, 2022.

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