



Hydraulic Oil 32

Technical Data Sheet (TDS)

Product Description

Hydraulic Oil 32 is a high-performance anti-wear hydraulic fluid formulated from highly refined mineral base oils and advanced additive technology. Designed for industrial and mobile hydraulic systems operating under moderate to severe service conditions.

Typical Technical Characteristics

| Property | Test Method | Typical Value |
|------------------------------|-------------|-------------------------|
| ISO Grade | ISO 3448 | VG 32 |
| Density @ 15°C | ASTM D4052 | 0.872 g/cm ³ |
| Kinematic Viscosity @ 40°C | ASTM D445 | 32.4 cSt |
| Kinematic Viscosity @ 100°C | ASTM D445 | 5.42 cSt |
| Viscosity Index | ASTM D2270 | 104 |
| Flash Point (COC) | ASTM D92 | 222°C |
| Pour Point | ASTM D97 | -24°C |
| Copper Corrosion (3h @100°C) | ASTM D130 | 1a |
| Total Acid Number (TAN) | ASTM D664 | 0.48 mg KOH/g |
| Sulphated Ash | ASTM D874 | 0.11 wt% |
| Zinc Content | ASTM D5185 | 0.09 wt% |
| Demulsibility @ 54°C | ASTM D1401 | 40/40/0 (10 min) |
| Foam Sequence I | ASTM D892 | 10/0 ml |
| Foam Sequence II | ASTM D892 | 20/0 ml |
| Foam Sequence III | ASTM D892 | 10/0 ml |
| Air Release @ 50°C | ASTM D3427 | 4 min |
| Four Ball Wear Scar | ASTM D4172 | 0.42 mm |
| FZG Load Stage | DIN 51354 | Pass 11 |
| Oxidation Stability | ASTM D943 | >2500 hrs |
| Rust Prevention A/B | ASTM D665 | Pass |
| Water Content | ASTM D6304 | <200 ppm |
| Cleanliness Level | ISO 4406 | 18/16/13 |



Performance Standards

| Specification | Status |
|----------------------------|--------|
| DIN 51524 Part II (HLP) | Meets |
| ISO 11158 HM | Meets |
| ASTM D6158 HM | Meets |
| Eaton Vickers M-2950-S | Meets |
| Denison HF-0 / HF-1 / HF-2 | Meets |
| Cincinnati Milacron P-68 | Meets |

Recommended Applications

| Application | Suitability |
|-------------------------------------|-------------|
| Hydraulic Press Systems | Suitable |
| CNC Machinery | Suitable |
| Excavators & Construction Equipment | Suitable |
| Injection Molding Machines | Suitable |
| Mobile Hydraulic Systems | Suitable |
| Industrial Circulation Systems | Suitable |

Available Packaging

| Packaging Type | Size |
|----------------|-----------|
| Pail | 20L |
| Drum | 208L |
| IBC Tank | 1000L |
| Bulk Supply | Available |

