



SHELL TELLUS[®] OILS

Premium quality hydraulic oils

Product Description

Shell Tellus[®] Oils are premium performance mineral based hydraulic fluids formulated with patented Shell additive technology in combination with high quality base oils to meet the requirements of a wide range of industrial and mobile hydraulic applications.

Shell Tellus[®] Oils provide numerous performance features and benefits which allow end users to maximize their hydraulic systems' reliability and efficiency. **Shell Tellus[®] Oils** are formulated to provide excellent thermal stability which results in less chance for sludge formation, which can cause clogging of servo valves and actuators. Unique product chemistry provides antiwear to help protect piston, vane and gear pumps through a wide range of operating conditions. **Shell Tellus[®] Oils** are formulated to undergo ultra-fine filtration which is essential in today's hydraulic systems. Careful use of additives provides quick air release properties to help minimize pump cavitation. Good water separation properties help prevent the formation of water-in-oil emulsions and prevents consequent hydraulic system and pump damage.

Applications

- industrial hydraulic systems
- mobile hydraulic fluid power transmission systems
- circulating oil systems
- general machine lubrication

Features/Benefits

- good thermal stability
- excellent antiwear
- resistant to oxidation
- excellent filterability
- good water separation
- excellent air release

Approvals

- Denison HF-0, HF-1, HF-2
- Eaton/Vickers M-2950-S (Mobile) and I-286-S (Industrial)
- Cincinnati Lamb P-68 (ISO 32), P-70 (ISO 46) and P-69 (ISO 68)
- Komatsu Engineering Standard (ISO 46)

Meets the Requirements of:

- ISO 11158
- AFNOR NF-E 48-603
- Mannesman Rexroth RE 90 220-1
- Swedish Standard SS 1554 34 AM

| Typical Properties of Shell Tellus® Oils | | | | | | | |
|--|-------------|---------------------|---------|---------|---------|---------|----------|
| | Test Method | ISO Viscosity Grade | | | | | |
| | | 22 | 32 | 46 | 68 | 100 | 150 |
| Product Code | | | | | | | |
| Bulk | | 5061284 | 5061285 | 5061286 | 5061287 | 5061288 | 5061318 |
| Tote | | 5061280 | 5061254 | 5061245 | 5061249 | 5061247 | ----- |
| 55 gallon drum | | 5061283 | 5061253 | 5061203 | 5061250 | 5061246 | 5061202 |
| 5 gallon pail | | ----- | 5061282 | 5061244 | 5061252 | 5061248 | ----- |
| Viscosity: | | | | | | | |
| @ 40°C, cSt | D 445 | 22.0 | 32.0 | 46.0 | 68.0 | 100 | 150.0 |
| @ 100°C, cSt | D 445 | 4.4 | 5.4 | 6.8 | 8.7 | 11.1 | 14.5 |
| @ 100°F, SUS | D 88 | 115 | 165 | 237 | 352 | 522 | 789 |
| @ 210°F, SUS | D 88 | 41.1 | 44.4 | 49.0 | 55.5 | 64.3 | 77.7 |
| Viscosity Index | D 2270 | 109 | 102 | 102 | 99 | 95 | 95 |
| Gravity, °API | D 1298 | 31.4 | 30.5 | 29.6 | 28.8 | 28.5 | 28.2 |
| Flash Point, COC, °F | D 92 | 380 | 390 | 410 | 435 | 445 | 450 |
| Pour Point, °F | D 97 | -20 | -20 | -20 | -20 | -5 | 10 |
| Copper Corrosion | D 130 | 1a | 1a | 1a | 1a | 1a | 1a |
| Emulsion Test, 130°F, 30 minutes max | D 1401 | Pass | Pass | Pass | Pass | Pass(1) | Pass(1) |
| Rust Test | D 665B | Pass | Pass | Pass | Pass | Pass | Pass (1) |
| Turbine Oil Stability Test, hrs | D 943 | 3000+ | 3000+ | 3000+ | 3000+ | 2500+ | 2000+ |

(1) Emulsion @180°F

Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.shell-lubricants.com/msds/>. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers, please call **1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>.