



SHELL TELLUS[®] PREMIUM OILS

High Performance hydraulic oils

Product Description

Shell Tellus[®]Premium Oils are high performance hydraulic oils blended with patented Shell additive technology in combination with hydrotreated base oils to meet the requirements of the most demanding hydraulic systems.

The use of patented additive technology and Group II base oils results in outstanding thermal stability even in systems that operate under conditions of high loads and temperature. **Shell Tellus[®] Premium Oils** are resistant to degradation and sludge formation, which helps improve system reliability and cleanliness. Patented anti-wear additive chemistry has proven to be very effective across the entire range of operating conditions including low and severe duty operation as measured in a variety of piston and vane pump tests including the demanding Denison T6C and Eaton Vickers 35VQ25. **Shell Tellus[®] Premium Oils** exceed the industry standards for oxidation stability as measured by the Turbine Oxidation Stability Test (TOST). This results in extending drain oil interval and helps minimize maintenance and disposal costs. Shell Tellus Premium has good stability in the presence of moisture (hydrolytic stability) which promotes longer oil life and reduces the risk of corrosion and rusting, especially in protection of brass components. **Shell Tellus[®] Premium Oils** are suitable for ultrafine filtration, an essential requirement in keeping any hydraulic system clean and operating at peak efficiency. Filtration properties are still excellent even in the presence of contaminants such as water and calcium, which are known to cause blockage of fine filters.

Applications

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

Features/Benefits

- excellent thermal stability – improves system reliability and cleanliness
- outstanding antiwear – results in longer pump and component life and reduced replacement costs
- excellent oxidation resistance - reduces oil replacement cost
- excellent hydrolytic stability –provides protection from corrosion of brass components in pumps and results in reduced replacement costs
- outstanding filterability –improves efficiency of filtration systems to reach system cleanliness targets
- good water separation – protects systems components from corrosion and wear
- excellent air release – minimizes chances of pump cavitation and oxidation degradation of the oil

Approvals

- Denison HF-0, HF-1, HF-2
- Eaton/Vickers M-2950-S (Mobile) and I-286-S (Industrial)
- Cincinnati Lamb

Cincinnati Lamb Specification	SHELL PRODUCT
P-68	Tellus Premium 32
P-69	Tellus Premium 68
P-70	Tellus Premium 46

Meets Requirements of:

ISO 11158	Mannesman Rexroth RE 90 220-1
AFNOR NF-E 48-603	Swedish Standard SS 15 54 34 AM

Typical Properties of Shell Tellus® Premium Oils						
	Test Method	ISO Viscosity Grade				
		22	32	46	68	100
Product Code						
Bulk		5061289	5061290	5061291	5061292	5061293
Tote		5061176	5061180	5061224	5061225	5061230
55 gallon drum		5061175	5061178	5061182	5061228	5061229
5 gallon pail		-----	5061177	5061181	5061226	-----
4/1-gallon containers			5070637	5070638		
Viscosity:						
@ 40°C, cSt	D 445	22.0	32.0	46.0	68.0	100
@ 100°C, cSt	D 445	4.4	5.47	6.8	8.7	11.1
@ 100°F, SUS	D 88	115	165	237	352	522
@ 210°F, SUS	D 88	41.1	44.6	48.5	54.8	64.3
Viscosity Index	D 2270	109	106	102	99	96
Gravity, °API	D 1298	31.9	30.2	29.5	28.1	27.3
Flash Point, COC, °F	D 92	395	405	420	430	450
Pour Point, °F	D 97	-35	-35	-25	-25	-20
Copper Corrosion	D 130	1a	1a	1a	1a	1a
Emulsion Test, 130°F, 30 minutes max	D 1401	Pass	Pass	Pass	Pass	Pass(1)
Rust Test	D 665B	Pass	Pass	Pass	Pass	Pass
Turbine Oil Stability Test, hrs	D 943	5000+	5000+	5000+	5000+	5000+

(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/>.

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