

- Tellus T Oils exhibit excellent hydrolytic stability , a measure of the tendency of the additives in an oil to react with water.
 - They also provide excellent filterability . Often in the presence of water, poorer quality oils can generate insoluble materials which will result in filter plugging. New improved Tellus T demonstrates improved wet filterability in the Denison T6C pump test.
 - Formulated with additives which ensure excellent demulsability , the ability to separate from water. Water which fails to separate effectively in a reservoir may contribute to excessive wear if recirculated through the system.
- Oxidation Stability - Advanced technology Tellus T resists oxidation degradation and sludge formation even when make-up rates are low. Resists chemical breakdown and lacquer formation.
 - Excellent Air Release and Anti-foam Properties - Careful use of additives ensures quick air release without excessive foaming. Tellus T Oils are now silicone-free.
 - Tellus T - reduced downtime and longer equipment life!

**PERFORMANCE SUMMARY
TESTS AND MANUFACTURER APPROVALS**

Denison HF-O, HF-2	Approved
Denison T6C vane pump (Wet and Dry Phases)	Pass
Denison P-46 piston pump	Pass
Eaton Vickers M-2952-S, M-2950-S, I-286-S	Meets
Eaton Vickers 35VQ25	Pass
Eaton Vickers 104C	Pass
Cincinnati Machine P-68, P-69, P-70	Approved

TYPICAL PROPERTIES

Grades	T15	T22	T32	T46	T68	
PRODUCT CODE	407-154	407-157	407-159	407-179	407-169	ASTM Method
Density at 15°C, kg/m ³	841.8	858.8	869.2	873.9	878.3	D 1298
Colour, max,	2.0	2.0	2.0	2.0	3.0	D 1500
Pour Point °C	-57	-54	-45	-42	-36	D 97
Flash Point, COC, °C	114	166	212	226	252	D 92
Kinematic Viscosity						D 445
cSt at 40°C	15.2	22.7	32.2	45.9	67.9	
cSt at 100°C	4.1	5.1	6.4	7.95	10.0	
Viscosity Index	191	163	156	146	132	D 2270
Cu Corrosion at 100°C	1a	1a	1a	1a	1a	D 130
Rust Test -24 hrs synthetic seawater	Pass	Pass	Pass	Pass	Pass	D 665
TAN-E, mgKOH/g	0.6	0.6	0.6	0.6	0.6	D 664
Demulsibility, minutes to 40/40/0	5	10	15	20	30	D 1401
Brookfield						D 2983
cP at -20°C	274	680	1438	3081	7400	
cP at -30°C	856	2567	6734	14019	40613	
cP at -40°C	2908	11480	32086	93465	-	
cP at -45°C	5865	25236	80101	-	-	
Estimated Operating Range, °C (minimum startup, °C) (1)	-29 to 44 -47	-21 to 56 -39	-14 to 67 -32	-8 to 78 -27	0 to 87 -21	

(1) Based on 9,000 cP viscosity and the use of proper warm-up techniques (e.g. system should be operated without load until minimum operating temperature achieved, etc.) Temperature limits may vary with type, design of equipment and severity of operation.