



ULTREX[™] **Hydraulic Oil** **TES 68**

BULLETIN 85200e



Superior protection against leaking seals, contaminants, pump wear, and erratic operation.

HYDRAULIC OIL OF CHOICE FOR ALMOST EVERY SINGLE-GRADE APPLICATION

Provides Superior Equipment Protection for TESCO Standard Open & Closed Loop Hydraulic Systems.

- Controls Seal Swell to Help Prevent Seals from Leaking
- Highly Resistant to Oxidation
- Controls Water and Other Contaminants
- Controls Foaming
- Prevents Rust and Corrosion
- Prevents Pump and Cylinder Wear
- Ideal for Use with Vane Pumps, Piston Pumps, Gear Pumps

Meets or Exceeds the Following Performance Requirements:

- Dennison–Abex HF-1, HF-2, HF-0
- Vickers I-286-S and M-2950-S
- Ford M6C32
- GM LH Specs: 04,06,03
- JCB AW VG-32
- Parsons AMCA AW Hydraulic
- DIN 51524 part 2

Part Number Order Information:

5 gal/20 L Pail #731143-20L
55 gal/208 L Drum #731143-208L

A TOTAL ADDITIVE PACKAGE THAT SETS IT APART FROM ALL OTHER HYDRAULIC OILS

ADDITIVES

Premium Grade Base Oil

Superior grade, highly-refined base oil resists oxidation and high-temperature breakdown to maintain better lubricity.

Seal Conditioners Leak Inhibitors

Special compounds that soften and condition seals to keep them from hardening and cracking. Most seal leaks occur because many oils cause seals to shrink. Special agents provide a controlled swell to bring the seals back to their normal size.

Rust and Corrosion Inhibitors

Blocks out corrosive elements such as acids, water, condensate and steam by forming a protective barrier on equipment surfaces to prevent chemical wear.

Oxidation Inhibitors Demulsifiers

Extends service life of the lubricant by retarding the oxidation or breakdown process. Separates water from oil to keep metal surfaces dry. Allows excess water to be drained from equipment.

Anti-Wear Agents

Forms a lubricant film on metal surfaces in the presence of heavy loads and high temperatures. Prevents cold welding.

Anti-Foam Agents

Inhibit oil foaming during operation to reduce seal pressure, prevent pump cavitation wear and decrease air entrapment that can cause erratic operation.

Sludge Inhibitors

Keeps seals cleaner by preventing the build-up of sludge, varnish and lacquer.

Shock Load Reducers

Cushions impact to minimize the stress, vibration and chatter that can occur under heavy loads and during start-stop operations

Friction Reducers

Plates out on metal surfaces to prevent friction and wear under heavy loads

Metal Deactivators

Prevent corrosion on yellow metals such as bronze, copper and brass.

Pour Point Depressants

Keeps oil flowing properly in cold temperatures. Lowers frictional drag and keeps equipment running in temperatures down to -20 degrees.

PHYSICAL PROPERTIES

PROPERTIES	TES 68		
Api Gravity 60/60°F:	29.3	cST. @ 40°C:	67.5
Lbs./gal.:	7.328	cST. @ 100°C:	8.66
Specific Gravity:	0.88	Viscosity Index:	106
Evaporation Rate:	<0.01	Four Ball Wear Test, Scar:	
Fire Coc. °F:	445	Diameter, MM (ASTM D2266):	0.3
Flash Point: °F:	450	Steel:	20
SAE:	20	Pour Point °F:	-30
ISO:	68		

USED FOR:

Heavy duty straight hydraulics, all Sperry-Vickers vane and piston pumps for standard operation (200psi, 1200RPM, 150-175°F) or severe operation (3000 psi, 2400RPM, 200°F).

NOT FOR:

Brake systems, transmissions, aircraft, Lucas hydraulic pumps or other silver-lined pumps. Not for systems requiring water-based hydraulic oils. Not for universal multi-purpose power transmission systems found in rubber-tired backhoes and tractors.

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