



Hydraulic Pivot Oil 22

Phillips 66® Hydraulic Pivot Oil 22 is a premium anti-wear hydraulic fluid specially formulated for use in center pivot irrigation hydraulic systems such as those manufactured by T-L Irrigation Company. Hydraulic Pivot Oil 22 is formulated with a premium, non-toxic, water white base oil and proprietary additive chemistry to provide increased component life while decreasing environmental concerns.

Hydraulic Pivot Oil 22 is formulated to provide superior wear protection while protecting system components from rust and corrosion. It has excellent oxidation resistance and thermal stability to minimize deposit formation and provide long service life. It has good water-separating properties to minimize the formation of emulsions and is resistant to excessive foam buildup that can cause poor or sluggish hydraulic system response.

Hydraulic Pivot Oil 22 provides superior protection of center pivot irrigation system components operating in unique low speed, high torque service conditions. Premium base oils and proprietary additive chemistry drastically reduce friction and wear under these unique service conditions. The exceptional low temperature pumpability and high viscosity index makes it ideal for use year round.

Applications:

- Developed to meet the specific requirements of T-L Irrigation Company for use in center pivot irrigation systems

Features/Benefits

- Protects against wear
- Protects against rust and corrosion
- Good water-separating properties
- Good foam resistance
- Excellent low-temperature fluidity
- Outstanding oxidation resistance to minimize deposit and varnish formation
- Outstanding resistance to thermal breakdown at high temperatures

**Premium
Hydraulic Fluid,
Specifically
Formulated
for Center
Pivot Irrigation
Systems**

**KEEPING THE
WORLD
RUNNING
SMOOTHLY.**





Hydraulic Pivot Oil 22

Typical Properties	
ISO Grade	22
Specific Gravity @ 60°F	0.853
Density, lbs/gal @ 60°F	7.12
Color, ASTM D1500	0.5
Flash Point (COC), °C (°F)	212 (414)
Pour Point, °C (°F)	-42 (-44)
Viscosity	
cSt @ 40°C	22.0
cSt @ 100°C	4.4
SUS @ 100°F	115
SUS @ 210°F	41.1
Viscosity Index	104
Copper Corrosion, ASTM D130, 3 hrs @ 100°C	1a
Four-Ball Wear Test, ASTM D4172, Scar Diameter, mm	0.43
Rust Test, ASTM D665 A&B	Pass

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <http://www.phillips66.com/sds>