



TEXACO AW HYDRAULIC OILS

32, 46, 68

CUSTOMER BENEFITS

Texaco AW Hydraulic Oils deliver value through:

- **High oxidation stability** — Longer service life than with conventional lubricants in high pressure service.
- **Rust and corrosion protection** — Gives excellent protection against corrosion of both copper and steel, and passes the ASTM D 665A distilled water rust test and ASTM D 665B synthetic sea water rust test.
- **Minimum viscosity change** over a wide temperature range.
- **Foam inhibition** — Contains special foam suppressant. Eliminates both foaming and aeration problems.
- **Excellent antiwear properties**
- **Passes all major pump manufacturer's requirements** — Meets the requirements of leading hydraulic pump manufacturers for antiwear-type hydraulic fluids in both vane- and piston-type pumps.
- **Good stability in the presence of water** by ASTM D 2619 Hydrolytic Stability test and the Denison T6C Wet Vane Pump test.
- **Excellent thermal stability** in the presence of copper and steel at 135°C (275°F) by the Cincinnati Machine Thermal Stability, Procedure A, test.
- **Fast water separation** — Minimize rust problems by fast release of water.
- **Excellent filterability** — Excellent thermal and hydrolytic stability prevents formation of deposits which may interfere with filtration in equipment with close tolerances.

FEATURES

Texaco AW Hydraulic Oils are designed to give maximum hydraulic pump protection.

Texaco AW Hydraulic Oils are formulated with highly refined paraffinic, high viscosity index base oils.

They provide excellent antiwear protection, oxidation and corrosion inhibition, as well as foam and aeration suppression.

All grades have excellent demulsibility characteristics.

Hydraulic systems, due to the nature of their operation, experience accelerated wear unless they are protected by clean, high quality antiwear hydraulic oils. Surging pressures in pumps and valves can increase metal-to-metal contact unless antiwear protection is present. The antiwear additives in Texaco AW Hydraulic Oils create a protective film on the metal surfaces. This protective film minimizes metal-to-metal contact, which is most severe in vane- and gear-type pumps. As hydraulic pressures increase over 1000 psi, the need for antiwear protection increases proportionally.

APPLICATIONS

Texaco AW Hydraulic Oils are most commonly used for hydraulics with vane-, piston-, or gear-type pumps, especially where pressures exceed 1000 psi. They can also be used to lubricate lightly loaded reciprocating compressors and as general purpose shop lubricants for motors and bearings.

Texaco AW Hydraulic Oils meet the requirements of **AGMA** Specification 9005 for Lubricants No. 0 (ISO 32), 1 (ISO 46), and 2 (ISO 68).

Texaco AW Hydraulic Oils:

- meet all major pump manufacturer requirements including **Vickers** I-286-S, M-2950-S, 35VQ-25; **Racine** Model S.
- are approved against **Cincinnati Machine** specifications P-68 (ISO 32), P-70 (ISO 46), and P-69 (ISO 68)
- have **Denison** HF-0/HF-2/T6C approvals
- meets the requirements (discontinued in 1998) of the **U.S. Department of Agriculture (USDA)** for use in federally inspected meat and poultry plants as H2 lubricants with no food contact

Do not use in high pressure systems in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

TYPICAL TEST DATA

	32	46	68
<i>CPS Number</i>	227307	227308	227309
<i>MSDS Number</i>	8997	8997	8997
AGMA Grade	—	1	2
API Gravity	32.6	31.8	31.6
Viscosity, Kinematic cSt at 40°C cSt at 100°C	30.4 5.2	43.7 6.5	64.6 8.4
Viscosity, Saybolt SUS at 100°F SUS at 210°F	157 44	225 48	335 54
Viscosity Index	98	98	99
Flash Point, °C(°F)	220(428)	226(439)	235(455)
Pour Point, °C(°F)	-33(-27)	-30(-22)	-30(-22)
Oxidation Stability Hours to 2.0 mg KOH/g acid number, ASTM D 943	> 2000	> 2000	> 2000

Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.