

ChevronTexaco 46 AW Hydraulic Oil

Category : Fluid , Lubricant

Material Notes:

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 requirements – Meets the requirements of 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. 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. 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 Meet Cincinnati Machine specifications P-68 (ISO 32), P-70 (ISO 46), and P-69 (ISO 68). Meet 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 are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing. CPS Number: 227308; MSDS Number: 8997

Order this product through the following link:

http://www.lookpolymers.com/polymer_ChevronTexaco-46-AW-Hydraulic-Oil.php

Physical Properties	Metric	English	Comments
API Gravity	31.8 °	31.8 °	
Viscosity Measurement	98	98	Viscosity Index
Saybolt Viscosity at 100°F	225 SUS	225 SUS	
Saybolt Viscosity at 210°F	48 SUS	48 SUS	
Kinematic Viscosity at 40°C (104°F)	43.7 cSt	43.7 cSt	

Physical Properties	Metric	English	Comments
Oxidative Stability	>= 2000 hour	>= 2000 hour	Hours to 2 mg KOH/g acid number; ASTM D943

Thermal Properties	Metric	English	Comments
Pour Point	-30.0 °C	-22.0 °F	
Flash Point	226 °C	439 °F	

Descriptive Properties	Value	Comments
AGMA Grade	1	

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