

# ADVANTAGE PREMIUM AW SERIES HYDRAULIC OILS

## OVERVIEW

ADVANTAGE PREMIUM AW SERIES HYDRAULIC OILS are highly refined, superior quality, anti-wear hydraulic oils recommended for use in a wide range of applications. Designed for use in piston, gear pumps, and vane pumps used in industrial and mobile hydraulic systems, ADVANTAGE PREMIUM AW SERIES HYDRAULIC OILS provide exceptional wear protection for pumps, motors, and other hydraulic system components.

## FEATURES & BENEFITS

ADVANTAGE PREMIUM AW SERIES HYDRAULIC OILS utilize only the best hydrotreated base stocks for long service life, contain a high level of anti-wear and additive technology for exceptional protection and resistance to oxidation, rust, corrosion, and foaming and offer premium component protection and smooth power transmission. ADVANTAGE PREMIUM AW SERIES HYDRAULIC OILS also offer a high dielectric strength for applications requiring an electrical insulating fluid. \*

## APPLICATIONS

ADVANTAGE PREMIUM AW SERIES HYDRAULIC OILS are designed for a variety of applications including hydraulic systems, mining equipment, and moderately loaded gear sets, as well as for general purpose lubrication.

## SPECIFICATIONS

AFNOR NF E 48-603 (HM) , NF E 48-690, NF E 48-691 • AIST 126 (US Steel) • AIST 127 (US Steel) • ANSI/AGMA 9005-E02-RO • ASLE 64-1 to 64-4, 70-1 to 70-3 • ASTM D6158 • Bosch Rexroth 90220 Type HLP • CETOP RP91H • Cincinnati Machine P-68, P-69 & P-70 • DIN 51524-2 HLP • Eaton I-286-S3 (Industrial Equipment) • Eaton M-2950-S (35VQ25 Pump Test) • GM LS-2 • ISO 11158 HM • ISO 20763 Conestoga Vane pump Test • JCMAS P041 HK Hydraulic Specification • Parker (Denison) HF-0, HF-1 & HF-2 ( T6H20C Pump Testing) • SAE MS1004 • SEB 181222

\*Dielectric strength measurement given at point of manufacture. Dielectric strength deteriorates rapidly with contamination from particulates and moisture; oil must be kept clean and dry at all times.

## TYPICAL PROPERTIES

Product Code	476	477	478
Product	AW 32	AW 46	AW 68
Viscosity, cSt @ 40 °C	32	46	68
Viscosity, cSt @ 100 °C	5.5	6.8	9.0
Viscosity Index	110	105	104
Flash Point, COC, °F, min	405	410	453
Pour Point, °C, max	-38	-37	-34
Zinc, wt. %	.050	.050	.050
Oxidation Stability	6000+	6000+	6000+
Copper Corrosion	1A	1A	1A
Rust Test	Pass	Pass	Pass
FZG Pass, Load Test	10	10	10
Color, max	0.5	1.0	1.0