

## ADVANTAGE AW PLUS SERIES HYDRAULIC OILS

### Overview

ADVANTAGE AW PLUS SERIES HYDRAULIC OILS are highly refined, premium 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 AW PLUS SERIES HYDRAULIC OILS provide exceptional wear protection for pumps, motors, and other hydraulic system components. All grades have very good oxidation resistance, rust and corrosion protection and foam resistance to provide long service with minimal upkeep.

### Features and Benefits

ADVANTAGE AW PLUS SERIES HYDRAULIC OILS utilize highly refined base stocks for long service life, robust anti-wear technology for exceptional protection and resistance to oxidation, rust, corrosion, and foaming and offer superior component protection and smooth power transmission. ADVANTAGE AW PLUS SERIES HYDRAULIC OILS also offer a high dielectric strength for applications requiring an electrical insulating fluid.

### Applications

ADVANTAGE AW PLUS 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.

### Recommended For Applications

Bosch Rexroth RE 90220, Type HLP • DIN 51524 Part 2, Antiwear Hydraulic Oils, Type HLP • Eaton-Vickers I-286-S, M-2950-S, 35VQ25A • Cincinnati P-68 (ISO VG 32), P-70 (ISO VG 46), P-69 (ISO VG 68) • German Steel Industry SEB 181222 • ISO 11158:1997, Family H (Hydraulic Systems), Type HM • Parker Hannifin (Denison) HF-0, HF-1, HF-2 • U.S. Steel 127

### Typicals

PRODUCT CODES	433	434	438
SAE Grade	AW32	AW46	AW68
API Gravity	31.5	30.0	28.5
Viscosity, cSt/40 °C	32.0	46.0	68.0
Viscosity, cSt/100 °C	5.4	6.9	8.9
Viscosity Index	100	100	100
Oxidation Stability	5000+	5000+	5000+
Demulsibility	20	20	20
Color	10	10	10
Zinc, % wt	.045	.045	.045
Cu Corrosion, 3 hrs @ 100 C	1A	1A	1A
Rust	Pass	Pass	Pass
Flash Point, COC °F	405	410	410
Pour Point, °C	-38	-37	-34