Advanced Lubrication Specialties
420 Imperial Court Bensalem, PA 19020 United States
Tel: (215) 244-2114
Fax: (215) 244-2118
www.advancedlubes.com

ADVANCED LUBRICATION SPECIALTIES
ISO 9001:2008 Registered

ADVANTAGE AW HVI HYDRAULIC SERIES

OVERVIEW

ADVANTAGE AW HVI HYDRAULIC SERIES oils are supreme quality anti-wear hydraulic oils specially developed for applications subjected to a wide range of temperatures or where small viscosity changes with fluctuating temperatures are needed. They are formulated with severely hydro-processed Group II base oils, a highly shear stable polymer and an advanced additive system to meet the stringent requirements of modern hydraulic systems using high pressure high output pumps and critical requirements of other hydraulic systems.

FEATURES & BENEFITS

ADVANTAGE AW HVI HYDRAULIC SERIES oils have outstanding thermo-oxidative stability and their low & high temperature performance allows for extended service life. They provide excellent anti-wear property, rust & corrosion protection, water separation & air-release properties and hydrolytic stability to reduce breakdowns and help improve production capacity. SADVANTAGE AW HVI HYDRAULIC SERIES oils have high dielectric strength for use in electrical service bucket trucks as an insulating oil.*

APPLICATIONS

ADVANTAGE AW HVI HYDRAULIC SERIES oils are designed for hydraulic and power transmission systems subjected to a wide range of ambient & operating temperatures, requiring extended oil change intervals, and critical hydraulic systems. ADVANTAGE AW HVI HYDRAULIC SERIES oils are employed in hydraulic systems of excavators, cranes and hydrostatic drives subjected to most severe outdoor operating conditions, and hydraulic systems operating under high pressures and requiring high degree of load carrying capability and anti-wear protection. These oils are recommended for use in outdoor mobile equipment that is used year-round such as cranes, bucket trucks (cherry pickers), cranes, aerial lifts, and the like.

SPECIFICATIONS

DIN 51524 Part 3, Antiwear Hydraulic Oils (Type HVLP) • AFNOR NFE 48-603 (Typer HV) • ISO 11158 (Type HV) • Poclain • Hitachi • Cincinnati Lamb • Eaton-Vickers I-286, M-2950-S, 35VQ25A • Parker-Hannifin (Denison) HF-0, HF-1, HF-2 • Bosch Rexroth RE 90220

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

TYPICAL PROPERTIES

PRODUCT CODE	**487**	**481**	**482**	**483**	**484**	**486**
ISO Grade	15	22	32	46	68	100
Viscosity, cSt @ 40°C	14.9	22.5	32.2	46.9	68.9	98.6
Viscosity Index	152	151	144	145	148	135
Flash Point, COC °F	180	192	204	213	218	218
Pour Point, °C	-55	-45	-40	-4	-42	-42
Density @ 15 C	0.857	0.858	0.861	0.868	0.874	0.878
Rust Test A&B	Pass	Pass	Pass	Pass	Pass	Pass
Acid Number, mg KOH/g	0.38	0.38	0.38	0.38	0.38	0.38
Copper Corrosion	1a	1a	1a	1a	1a	1a
Foam Test, Seq. I, mL	10/0	0/0	0/0	0/0	0/0	0/0
TOST hrs.	5000+	5000+	5000+	5000+	5000+	4000+
FZG minimum	--	--	--	12	12	12
Dielectric Strength, kV min*	35	35	35	35	35	35
Demulsibility, mins to pass	15	15	15	15	15	15
Zinc, wt.%	.043	.043	.043	.043	.043	.043