



## EXTREME ANTIWEAR (AW) HYDRAULIC OIL SPECIFICATION SHEET

EXTREME ANTI-WEAR HYDRAULIC OIL is a premium quality, high viscosity index hydraulic oil. This oil is specifically formulated to lubricate and protect today's hydraulic systems operating at high pressures and temperatures. It offers excellent water separation properties, rust protection, and antifoam protection. This is a premium anti-wear hydraulic oil for use in both high and low pressure industrial and mobile hydraulic systems.

### CUSTOMER BENEFITS

- ANTIWEAR PROTECTION FOR A WIDE VARIETY OF HYDRAULIC PUMPS AND COMPONENTS USED UNDER SEVERE OPERATING CONDITIONS
- PROVEN FIELD PERFORMANCE
- OUTSTANDING THERMAL AND OXIDATIVE STABILITY
- SUPERIOR HYDRAULIC STABILITY
- EXCELLENT RUST PROTECTION
- LOWER FILTER BLOCKAGE TENDENCY
- GOOD LOW TEMPERATURE PROPERTIES
- EXCELLENT FOAM CONTROL
- EXCELLENT FOR USE IN PAPER MACHINES

ALWAYS CONSULT AND REFER TO EQUIPMENT MANUFACTURER'S GUIDE FOR PROPER APPLICATION AND ISO GRADE.

### PERFORMANCE LEVEL

VICKERS 1-286-S, M-2950-S  
 DENISON HF-1, HF-2, HF-0  
 RACINE, VARIABLE VOLUME VANE PUMPS  
 CINCINNATI MILACRON P-68, P-69, P-70  
 DIN 51524, PART 2  
 LEE-NORSE 100-1  
 JEFFERY NO.87  
 FORD M-6C32  
 U.S. STEEL 136, 127  
 B. F. GOODRICH 0152  
 GENERAL MOTORS LH-04-01, LH-06-01, LH-15-1  
 AFNORE 48-603  
 COMMERCIAL HYDRAULICS (1)  
 1: Except for PM-500 series silver containing pumps which require R&O additive systems.

### **TYPICAL CHARACTERISTICS**

PRODUCT	AW22	AW32	AW46	AW68	AW100
ISO GRADE	22	32	46	68	100
Viscosity @ 40c	21.8	32.2	46.3	66.4	97.4
Viscosity @ 100c	4.30	5.47	6.85	8.62	11.1
Viscosity Index	102	105	102	101	99
Pour Point, °C	-39	-36	-33	-33	-27
Flash, COC, °C	200	212	228	240	248
Color	.5	.5	.5	1.5	2.0
API Gravity	32.6	31.6	30.8	29.9	29.3
FOAM (TENDENCY - STABILITY)					
SEQUENCE I	0/0	0/0	0/0	0/0	0/0
SEQUENCE II	10/0	10/0	10/0	10/0	10/0
SEQUENCE III	0/0	0/0	0/0	0/0	0/0
DIELECTRIC					
STRENGTH, KV	39	42	40	37	37
TURBINE OIL					
OXIDATION, HRS	3000+	2600+	2600+	2600+	2200+
THERMAL					
STABILITY PASS	PASS	PASS	PASS	PASS	PASS
TURBINE OIL RUST,					
DIST. WATER	PASS	PASS	PASS	PASS	PASS
SYN. SEA WATER	PASS	PASS	PASS	PASS	PASS
COPPER STRIP					
CORROSION	1A	1A	1A	1A	1A

**5081 Bings Way, House Springs, MO 63051  
MADE IN USA**