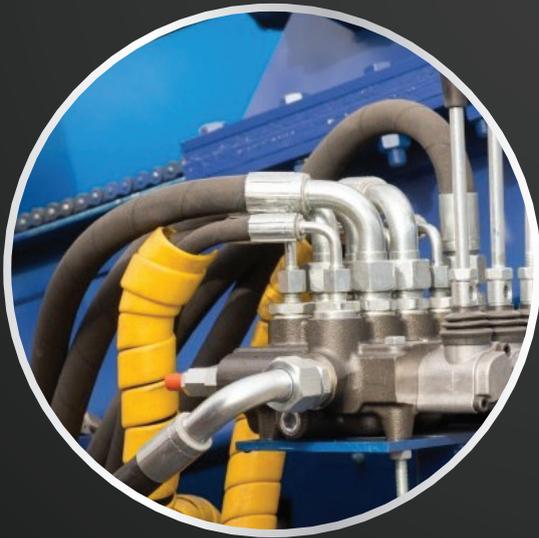




Bremen Lubricants Industry LLC



# HYDRAULIC **OIL**

## BREMEN SUPER AW SUPER PERFORMANCE HYDRAULIC OIL ISO 32, 46, 68, 100, 150

### PERFORMANCE PROFILE :

A top quality oil with high degree of wear protection, designed with highly refined base stocks and well balanced additive package. Exceeds the requirements of :

Denison HF-O including dry & wet T6C-020----- U.S. Steel 126 / 127

Vickers M-2950-S (Mobile equipment)----- DIN 51524 Part II

Vickers 1-286-S3 (Industrial equipment)----- AFNOR NF E 48-603 (HM)

Cincinnati Milacron P-68, P-69 & P-70--- ASLE 64-1 to 64-4, 70-1 to 70-3

### APPLICATION :

Recommended for high pressure hydraulic systems used in all mobile and stationary equipments, operating under severe working conditions. Also used for circulation system, compressor, pump, bearing and gear lubrication where recommended.

### SUMMARY OF BENEFITS :

- Extended oil life.
- Outstanding thermal and hydrolytic stability.
- Excellent demulsibility power and air release capability.
- Outstanding filterability and good shear stability.
- Exceptional resistance to oxidation and foaming.
- Highly effective control over wear, corrosion and rust.
- Low pour point ensures good fluidity in cold climates.
- Improved compatibility with seals and soft metals.
- Improved friction characteristics resulting in lower running temperatures.



### TECHNICAL DATA :

CHARACTERISTICS	TYPICAL VALUE				
	32	46	68	100	150
Sp. Gravity @ 15 °C	0.874	0.877	0.879	0.882	0.889
Viscosity @ 40 °C, cSt	33	45	67.5	99.5	144
Viscosity @ 100°C, cSt	5.50	6.70	8.7	11.3	14.5
Viscosity Index	102	101	100	99	98
Flash Point, COC, °C	210	218	232	236	248
Pour Point, °C	-24	-18	-15	-15	-15
Pump Tests	Pass	Pass	Pass	Pass	Pass
4-Ball Wear Test (15 kg/ 80°C/ 600 rpm/2 hrs)	Pass	Pass	Pass	Pass	Pass

## BREMEN SUPER HVI AW SUPER PERFORMANCE HIGH VI HYDRAULIC OIL ISO 32, 46, 68, 100, 150

### PERFORMANCE PROFILE :

A top quality oil with high degree of wear protection, designed with highly refined base stocks and well balanced additive package. Exceeds the requirements of :

Denison HF-O including dry & wet T6C-020----- U.S. Steel 126 / 127

Vickers M-2950-S (Mobile equipment)----- DIN 51524 Part II

Vickers 1-286-S3 (Industrial equipment)----- AFNOR NF E 48-603 (HM)

Cincinnati Milacron P-68, P-69 & P-70--- ASLE 64-1 to 64-4, 70-1 to 70-3

### APPLICATION :

Recommended for high pressure hydraulic systems used in all mobile and stationary equipments, operating underwide temperature range. Also used for circulation system, compressor, pump, bearing and gear lubrication where recommended.

### SUMMARY OF BENEFITS :

- Extended oil life.
- Outstanding thermal and hydrolytic stability.
- Excellent demulsibility power and air release capability.
- Outstanding filterability and good shear stability.
- Exceptional resistance to oxidation and foaming.
- Highly effective control over wear, corrosion and rust.
- Low pour point ensures good fluidity in cold climates.
- Improved compatibility with seals and soft metals.
- improved friction characteristics resulting in lower running temperatures



### TECHNICAL DATA :

CHARACTERISTICS	TYPICAL VALUE				
	32	46	68	100	150
Sp. Gravity @ 15 oC	0.874	0.877	0.879	0.882	0.889
Viscosity @ 40 oC, cSt	32.15	47.37	67.5	99.5	146
Viscosity @ 100 oC, cSt	6.37	8.37	10.627	15.84	9.35
Viscosity Index	154	153	152	150	151
Flash Point, COC, oC	210	218	232	236	248
Pour Point, oC	-24	-18	-15	-15	-15
Pump Tests	Pass	Pass	Pass	Pass	Pass
4-Ball Wear Test (15 kg/ 80oC/ 600 rpm/2 hrs)	Pass	Pass	Pass	Pass	Pass