

# Product Data Sheet

## MAK HYDROL AW

ISO VG: 32, 46 & 68 Non ISO VG: 37 & 57

**DESCRIPTION**  
 These oils are blended from highly refined base stock and carefully selected additives. These oils are compatible with seals normally used in hydraulic systems.

**PERFORMANCE BENEFITS**

- Exhibits good oxidation, anti-rust, anti-wear and anti-foam properties
- Have excellent compatibility with the seals

**APPLICATIONS**  
 These oils are recommended for general hydraulic equipment in control & power transmission systems and for circulating equipments.

**PERFORMANCE LEVEL**

- IS 3098 : 1983 [Reaffirmed Nov., 1998]
- IS 10522 : 1983 [Reaffirmed Nov., 1998]

Our grades meet above specification for the respective viscosity grades.

Characteristics	IS 1448	Typical Figures		
		32	37	46
Appearance	--	Light brown clear fluid	Light brown clear fluid	Light brown clear fluid
Density at 15° C	P:16	0.8796	0.8811	0.8834
K.V at 40° C, cSt	P:25	32.2	37.1	46.5
Viscosity Index	P:56	100	100	99
Pour Point, °C	P:10	-9	-9	-9
Flash Point, (COC), °C	P:69	210	210	224
Copper Strip Corrosion Test at 100°C for 3 hrs.	P:15	1a	1a	1a
Foaming Characteristics/Stability	P:67	Nil	Nil	Nil
a) Sequence I				
b) Sequence II				
c) Sequence III	Nil	Nil	Nil	

## Product Data Sheet

Characteristics	IS 1448	Typical Figures	
		57	68
Appearance	--	Light brown clear fluid	Light brown clear fluid
Density at 15° C	P:16	0.8831	0.8836
K.V at 40° C, cSt	P:25	57.4	68.3
Viscosity Index	P:56	98	98
Pour Point, °C	P:10	-9	-9
Flash Point, (COC), °C	P:69	230	238
Copper Strip Corrosion Test at 100°C for 3 hrs.	P:15	1a	1a
Foaming Characteristics/Stability	P:67		
a) Sequence I		Nil	Nil
b) Sequence II		Nil	Nil
c) Sequence III		Nil	Nil

### Health and Safety

These oils are not hazardous under normal conditions of use. For further guidance appropriate Material Safety Data Sheet may be referred.

### Bharat Petroleum Corporation Ltd.

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