

Product Data Sheet



HB-1169p HEAT TRANSFER PLUS OIL

22, 32, 46, 56, 68

DESCRIPTION:

HB-1169p HEAT TRANSFER PLUS OIL are formulated to meet the demanding service requirements of circulating heat transfer systems. Thermal stability is achieved by utilizing hydrocracked base stocks with excellent additive chemistry for outstanding and oxidation resistance at sustained operating temperatures up to 600°F. The product is non-corrosive to steel and copper in closed systems resulting in long service life for both the fluid and equipment. Low volatility characteristics, especially ISO Grades 46, 56, & 68, reduce vapor lock in circulating pumps and diminishes the possibility of system cavitation.

APPLICATIONS:

HB-1169p HEAT TRANSFER PLUS OIL are recommended for heat exchangers where a hot-oil medium is the energy transfer mechanism, i.e. asphalt plants, boiler systems and crude heating. It is suggested that the appropriate ISO Viscosity should be considered for individual applications based on system requirements. The recommended maximum temperature range is 600°F for closed systems and 400°F for open systems.

H & B Industries, Inc.

9758 Abernathy
Dallas, TX. 75220
(214) 350-1984
info@hbind.com
Website www.hbind.com

H & B Industries, Inc

301 Crickett Lane
Temple, TX. 76501
(254) 985-2525
hbsupply@hbind.com
Website www.hbind.com

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TYPICAL PROPERTIES

ISO Grade	22	32	46	56	68
Viscosity, cSt					
At 40 C	21.8	32.0	46.2	56.2	67.6
At 100 C	4.3	5.4	6.8	7.7	8.7
Viscosity, SUS					
AT 100 F	115	166	239	292	351
At 210 F	41	44	49	51	55
Viscosity Index	103	102	101	100	100
Flash Point, (COC) Deg F	400	405	440	450	480
Pour Point, Deg F	-10	-5	-0	+5	+10
Deg C	-23	-21	-18	-15	-12
Specific Gravity	0.8628	0.8665	0.8708	0.8735	0.8762
Gravity, API @ 60 F	32.5	31.8	31.0	30.5	30.0

The values shown are typical of current production. Some are controlled in the manufacturing process, while others are not. All of them may vary within tolerable ranges.

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