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TECHNICAL DATA SHEET

HB-1151 VACUUM PUMP OIL ISO 32 and 68

DESCRIPTION:

- High quality, high boiling range, low vapor pressure
- Non additive petroleum base oils designed especially for use in vacuum pump applications.
- Produced from refinery distillate streams of high initial boiling points and low vapor pressures.
- Only fully distilled, solvent refined, mid-continent paraffinic type base oils are used.
- Maximum pumping speed and ultimate vacuum are attained because of these qualities.
- Has inherently high oxidation resistance and thermal stability and low chemical reactivity, which provides maximum vacuum pump oil life and oil regeneration capability potential.
- Special product handling assures absence of any moisture or volatile material contamination which could adversely affect vapor pressure characteristics.
- High viscosity index provides excellent pump bearing lubrication and long seal life, thereby giving maximum vacuum pump durability.

APPLICATIONS:

- HB-1151 ISO 68 is designed for belt driven vacuum pumps such as WELCH and CENCO.
- HB-1151 ISO 32 is designed for direct drive vacuum pumps such as WELCH, PRECISION, LEYBOLDHERAEUS, EDWARDS AND ALCATEL where lower viscosity vacuum pump oil is required to prevent heat build-up, provide high ultimate vacuum, and handle high vacuum pump speeds.

SPECIFICATIONS:

Grade	ISO 32	ISO 68
Gravity, °F (°C)	30.5	29.5
Pounds Per Gallon	7.272	7.32
Flash Point, °F (°C)	435(224)	470(243)
Fire Point, °F (°C)	485(252)	530(277)
Viscosity, cSt @ 40°C	38.8-40.8	67.4-72.2
Viscosity, cSt @ 100°C	6.1	8.7
Viscosity, SUS @ 100°F	207	359
Viscosity, SUS @ 210°F	46	55
Viscosity Index, Min.	95	95
Pour Point, °F (°C)	+ 10(-12)	+ 10(-12)
Copper Strip Corrosion, Max.(2)	1	1
Carbon Residue, Conradson, %	<0,01	<0,01
Vapor Pressure, 77°F (25°C),	10°	10°

SAFETY: Label use directions should be followed carefully. OSHA Material Safety Data Sheet available.