



<H.V.> <High Vacuum Pump Oil>

DESCRIPTION

LOFGE H.V. high vacuum pump oils is a synthetic fluid. It be composed of a high paraffin refined, high viscosity index mineral oil-based and high proportion of synthetic hydrocarbons, antioxidant, waterproofing agent, antifoam.

Meets: ISO 6743/3 A-87 L-DVE

APPLICATION

- It can be used in high-vacuum coating, vacuum smelting, The electronics industry, such as vacuum system of various vacuum pumps (vane rotate pump, etc).

FEATURE

PHYSICAL

- H.V. series vacuum pump oil will not occur oil film fracture of boundary lubrication phenomenon when under the premise keep the seal between the pump vane and the inner wall. H.V. series vacuum pump oil contains the high temperature oxidation resistance of composite base oil which can make the moving parts performance quickly within the pump and reduce the temperature of pump body also prolong the life as well.

CHEMICAL

- H.V. series vacuum pump oil contains a unique surface active agent which is to eliminate the gravitomagnetic field generated by the moving parts in the pump body and take away the impurity particles of electric charge, also prevent the oxidizing material and harmful particles adhesion on the inner wall of the pump, its unique surface active agent can wash out the harmful material quickly, again through the filter to filter out, to ensure that rotary vane not be due to wear and tear by metal and nonmetal harmful material such as Si, C, Ca etc. The outstanding H.V. series vacuum pump oil has such unique properties which cannot compare with other vacuum pump oil

TYPICAL SPECIFICATION

LOFGE	UNITS	H.V.			
		32	46	68	100
Vapor Pressure (20°C)	mbar	-	-	4×10 ⁻⁵	1×10 ⁻⁵
Density (15°C)	kg/m ³	0.870	0.877	0.884	0.886
Viscosity	(40°C)	31.5	46.5	67.5	99
	(100°C)	5.4	6.8	8.7	10.02
Viscosity Index	-	102	100	100	105
Flash Point	°C	210	230	240	255
Pour Point	°C	-20	-18	-15	-12

The typical specification mentioned represent mean values.