

Oil for Rotary Vacuum Pumps **ULVOIL R Series/Super R Series**

Features

Genuine oil (ULVOIL) not only brings out the best performance of vacuum pumps, but also extends the life span and maintenance periods of pumps and brings down total costs, including even operation costs.



Feature list for vacuum pump oil (ULVOIL, fluorocarbon synthetic oil)

Item		Type	Mineral oils			Synthetic oils			Test method	
		R-4	R-7	R-80	Super R-7000	Super R-7500	Super R-8000			
Ultimate pressure (Pa)			$< 4 \times 10^{-1}$	$< 4 \times 10^{-1}$	< 7	$< 7 \times 10^{-1}$	$< 7 \times 10^{-1}$	$< 7 \times 10^{-1}$	ULVAC evaluation method	
Characteristics	Color		Transparent pale yellow	Transparent pale yellow	Transparent light brown	Transparent light brown	Transparent brown	Transparent light brown	Visual evaluation	
	Kinetic viscosity	40°C (mm ² /s)	47	69	57	68	68	78	JIS K 2283	
		100°C (mm ² /s)	7	9	8	10	10	12	JIS K 2283	
	Viscosity index			112	102	110	110	115	140	JIS K 2283
	Water content (%)			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	JIS K 2275
	Acid number (mgKOH/g)			< 0.05	< 0.05	< 1.9	< 0.1	< 0.1	< 0.1	JIS K 2501
	Density 15°C (g/cm ³)			0.86	0.88	0.88	0.91	0.91	0.91	JIS K 2249
	Flash point (°C)			248	260	230	220	220	220	JIS K 2265
Pour point (°C)			-12.5	-12.5	-37.5	-20	-20	-20	JIS K 2269	
Features			Low viscosity, low temperature start up	All-purpose pump oil	High viscosity index For high temperatures and high loads	Long life All-purpose pump oil	Oil containing dust separating agent	High viscosity index	—	
Main Uses			Root and small pumps	Medium/large pumps	Large pumps for food products, packing use	Active gas pumping Etching	Dust and gas pumping LPCVD	Pumps operating at high temperature with high loads Asher	—	
Package (L)			200 20 2.0	200 20 2.2	200 20 2.0	4.0	4.0	4.0	—	