

# Trochoid™ Pump, Lunary™ Pump Oil Compatibility Table

- The following table describes the examples of typical oils used in applications in the past, which is not an assurance of the recommended models, the specifications and the product life. It is rare, though some additives and other elements contained in oils may cause a trouble to the pump, so please inquire with the oil manufacturer about the compatibility with your oil before use.
- For operating environments, please refer to the instruction manuals and specifications of Trochoid™ Pump, Lunary™ Pump.

		Oil						
		Industrial lubricating oil	Hydraulic oil	Gear oil	Turbine oil	Engine oil	Trque converter oil	Spindle oil
Model								
Small capacity	1A	○	○	○	○	○	○	×
	1A-VV (Special specification)	○	○	×	○	×	×	×
	1HG	○	○	○	○	○	○	□
	1HG-VV (Special specification)	○	○	×	×	×	×	□
	GD	×	×	×	×	×	×	×
Small to medium capacity	2HB	○	○	○	○	○	○	□
	2HB-VV (Special specification)	○	○	×	○	○	×	□
	2HT	×	×	×	×	×	×	×
	2HW	×	×	×	×	×	×	×
	2.5HGA	○	○	○	○	○	○	□
	2.5HGA-VV (Special specification)	○	○	○	○	○	○	□
Medium capacity	N3F	○	○	○	○	○	○	□
	N3F-VV (Special specification)	○	○	○	○	○	○	□
	N3H	○	○	○	○	○	○	□
	N3H-VV (Special specification)	○	○	○	○	○	×	×
	3V	○	○	○	○	○	○	×
	3V-VV (Special specification)	○	○	○	○	○	○	×
Large capacity	4AM	○	○	○	○	○	○	□
	4A	○	○	○	○	○	○	□
	GPL(Lunary™ Pump)	○	○	○	○	×	×	×
Reversible	1RA	○	○	○	○	×	×	×
	2RA	○	○	○	○	×	×	×
	3RD	○	○	○	○	×	×	×
	4RD	○	○	○	○	×	×	×

- : The oil was used in the past with the pump following the specifications listed in the pump's catalog.
- : The oil was used in the past with the pump under 0.7MPa in discharge pressure. (The pump has a limit in discharge pressure)
- : The oil was used in the past with the pump under 0.5MPa in discharge pressure. (The pump has a limit in discharge pressure)
- ×: Unavailable.
- For special specifications, refer to P. 131. Please contact us for more information.
- We can provide Trochoid™ Pump specifically designed for diesel oil, kerosene, heavy oil. Please contact us for more information.

Silicone oil	Cooking oil	Quenching oil	Insulating/ Electric insulating oil	Metal cutting fluid (Straight oil/ Water soluble)	Diesel oil	Kerosene	Heavy oil
○	○	×	○	×	×	×	×
○	○	×	○	×	×	×	×
○	○	●	□	×	×	×	×
×	○	●	□	×	●	×	●
×	×	×	×	×	○	○	○
○	○	●	□	×	×	×	×
○	○	●	□	×	×	×	×
×	×	×	×	×	○	○	○
×	×	×	×	○	×	×	×
○	○	●	□	×	×	×	×
○	○	●	□	×	×	×	×
○	○	●	□	×	×	×	×
○	○	●	□	×	●	×	●
○	○	●	□	×	×	×	×
○	○	×	□	×	●	×	●
×	○	×	×	×	×	×	×
×	○	×	×	×	×	×	×
○	○	●	□	×	×	×	×
○	○	●	□	×	×	×	×
×	○	×	×	×	×	×	×
×	×	×	×	×	×	×	×
×	×	×	×	×	×	×	×
×	×	×	×	×	×	×	×
×	×	×	×	×	×	×	×
×	×	×	×	×	×	×	×