



- Helps insure optimum performance from VORTA Lubricants
- Recommended for flushing:
 - Compressors, Transmissions, Turbines
 - Hydraulic systems, Gear boxes,
 - Differentials, Final drives and Engines

FLUSHOIL Premium Flushing Oil is a light mineral oil especially formulated for purging oil systems before switching to a **VORTA High Performance Lubricant**.

Use of **FLUSHOIL** helps insure optimum performance from any **VORTA Compressor Oil, Transmission Fluid, Hydraulic Fluid, Industrial Oil, Gear Oil, Turbine Oil or Engine Oil**.

Simply draining old lubricants does not entirely remove the old lubricant from the system. Intricate oil passages, reservoirs, fluid lines, cylinders, accumulators, pumps, separators, coolers and other oil system components can retain residual oil that can contaminate new VORTA Lubricants.

A brief flushing cycle with **FLUSHOIL** insures more complete elimination of old lubricants from the entire system. This is especially critical in compressor changeovers. It also removes loose deposits so they will not have a negative effect on compressor efficiency or operation.

If transmissions, hydraulic systems, engines or gear boxes are known to be dirty, have high miles or hours or have demonstrated performance issues, flushing is also recommended for them before changing to **VORTA Lubricants**.

Finally, because some synthetic chemistries can have an adverse effect on petroleum base oils, flushing with **FLUSHOIL** is also recommended for any component being switched from a synthetic lubricant.

Highly Recommended For:

- ALL rotary and reciprocating compressor changeovers, Turbines, Gear Boxes
- Any component that has been run on a synthetic oil
- Any component with high mileage, high hours, that is known to be dirty or that has demonstrated performance issues.

Fill the system with FLUSHOIL Premium Flushing Oil. Operate at no load or at minimum pressure, then, slowly bring the fluid up to normal temperature and operate all parts.

Operate only long enough to insure complete circulation of flushing oil.

(Gearboxes should be filled to one-third their normal capacity and operated at no load for 10 minutes.

If the initial drain oil was severely oxidized, drain and refill again to onethird capacity and run no load for 15 minutes.)

Systems that were previously lubricated with synthetic fluids should be operated for no longer than two to eight hours.

Carefully observe operating temperatures, filters and inlet screens while operating on flushing oil and shut down if filters plug or temperatures exceed normal no load limits.

GRADE	TEST METHOD	Unit	FLUSHOIL									
			10	15	22	32	46	68	100	150	220	320
Density @15°C	ASTM D 1298	Kg/L	0.86	0.87	0.88	0.88	0.88	0.88	0.89	0.89	0.89	0.9
Flash Point	ASTM D 92	°C	162	174	192	216	225	240	240	267	270	270
Kin Viscosity @40°C	ASTM D 445	cSt	9.5	15	21	32	46	68	100	150	220	320
Kin Viscosity @100°C	ASTM D 445	cSt	2.5	3.32	4.19	5.4	6.9	9	12	16	20	25
Viscosity Index	ASTM D 2270	-	80	84	104	108	105	105	101	101	101	101
Pour Point	ASTM D 97	°C	-45	-33	-30	-30	-30	-30	-24	-24	-24	-24
Neutralization Value	ASTM D 664	mgKOH/g	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2