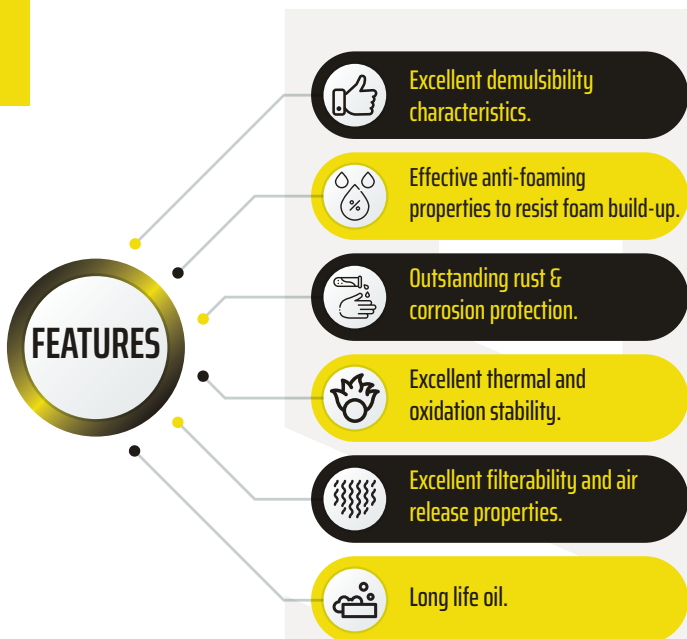


## DESCRIPTION

Shield's Circulating Oils are blended from premium quality virgin base oil and carefully selected rust, oxidation, and anti-foam inhibitors additives. These oils have excellent demulsibility characteristics and provide a long service life.



## PERFORMANCE LEVELS:

- DIN 51524 PART 1

## APPLICATIONS:

Shield Circulating Oil is recommended for machine circulating systems, vacuum pumps and industrial applications requiring rust protection such as electric motor bearings, blowers, industrial spindles, machine tools, and compressors. The oil is also suitable for low to moderately loaded enclosed gears, where anti-wear or extreme-properties are not required.

## TYPICAL PHYSICAL PROPERTIES

SL#	Characteristics Unit	Test Method	ISO Grades							
			32	46	68	100	150	220	320	460
1	Viscosity @ 40 °C	ASTM D 445	32	46	68	100	150	220	320	460
2	Viscosity @ 100 °C	ASTM D 445	5.37	6.73	8.67	11.21	14.75	19	24.1	30.6
3	Viscosity Index	ASTM D 445	100	98	98	97	97	97	96	96
4	Flash Point COC, °C	ASTM D 92	206	214	228	242	258	250	240	248
5	Pour Point, °C	ASTM D 97	-27	-27	-24	-21	-18	-15	-9	-9
6	Color	ASTM D 1500	L1.5	L1.5	L2.0	L2.5	L2.5	L1.5	L2.0	L2.0
7	Appearance	ASTM D 4176	C & B	C & B	C & B	C & B	C & B	C & B	C & B	C & B
8	Demulsibility Test	ASTM D 1401	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

\* Exact specifications may slightly vary from the above, but within the international standards