

PRODUCT DATA SHEET

CROWN COMPRESSOR OIL

Compressor Oil series have been developed to meet the latest changes in air compressor designs, resulting in increased capacity and efficiency. It is formulated from a high-grade base stock with a narrow distillation range, containing specially selected additives, which enhance lubricity, anti-wear properties, and protect compressor parts against rust. It is designed to lubricate both cylinders and crankcases. It minimizes carbon and sludge deposits, thereby extending time between service intervals for cleaning valves, ports and intercoolers.

BENEFITS

- Longer intervals between cleaning of valves, heat exchangers, port and piping ensures lower maintenance cost.
- Less carbon and deposit formation reduces fire and explosion hazards.
- Single oil lubricates cylinders and crankcase.
- Suitable for both large and small compressors.

PERFORMANCE LEVEL

Meets and Exceeds:

- DIN 51506 VDL

APPLICATION

Compressor Oil Series is especially suited for Single-stage reciprocating compressors up to 125 PSI, Two-stage reciprocating compressors up to 300 PSI and Multi-stage reciprocating compressors after break-in with air discharge temperature up to 220 °C.

PRODUCT CHARACTERISTIC

PROPERTIES	UNITS	VALUE				TEST METHOD
ISO GRADE	-	32	46	68	100	-
Specific Gravity @ 15 °C	-	0.878	0.879	0.884	0.888	ASTM D-4052
Viscosity @ 40 °C	mm ² /s	32.0	46.0	68.0	100.2	ASTM D-445
Viscosity @ 100 °C	mm ² /s	5.4	6.77	8.6	11.2	ASTM D-445
Viscosity Index	-	102	100	97	97	ASTM D-2270
Flash Point, COC	°C	210	242	248	255	ASTM D-92
Pour Point	°C	-12	-9	-9	-12	ASTM D-97
Color	-	1.0	1.5	2.0	2.5	ASTM D-1500
Rust Test		Pass	Pass	Pass	Pass	ASTM D-665
CRC % mass of 20% dist.		0.3	0.3	0.3	0.3	DIN 51356
Product Code	-	5660	567044	5680	569044	-