

SCÖM Compressor Oil

Product Description

SCÖM Compressor Oil is a high-performance synthetic and mineral-based lubricant engineered for rotary screw, reciprocating, and vane air compressors operating under high temperatures, pressure, and gas-filled atmospheres. Designed with poly-alkylene glycol (PAG) and advanced anti-wear additives, it provides exceptional viscosity stability, oxidation resistance, and reduced gas solubility, ensuring maximum protection, efficiency, and extended oil life.

Application

- Industrial, marine, and chemical processing air compressors, including rotary screw, reciprocating, and vane types
- Vacuum pumps and hydraulic systems requiring a high-performance, thermally stable fluid
- Liquefied gas compression systems, including LPG, LNG, and hydrocarbon chemical gases (methane, ethane, propane, butane, ethylene, propylene, butylene)
- Chemical gas compressors handling ammonia, vinyl chloride monomer, and butadiene
- Cold climate operations, ensuring easy winter starts and excellent temperature stability

Approvals & Specifications

- Meets ISO 6743-3 DAA, DAB, DAG, DAH standards
- DIN 51506 VBL, VCL, VDL
- AGMA Lubricant Specification for Compressors
- ASTM D92, D445, D97, D1298 tested

Typical Properties by Viscosity Grade

Property	Method	VG 32	VG 46	VG 68	VG 100	VG 150	VG 220
Kinematic Viscosity @ 40°C	mm ² /s	32.0	46.0	68.0	100.0	150.0	220.0
Kinematic Viscosity @ 100°C	mm ² /s	5.6	7.0	9.2	11.5	14.8	19.5
Viscosity Index	-	105	107	110	112	115	118
Flash Point (COC)	°C	230	240	250	260	270	280
Pour Point	°C	-42	-39	-36	-33	-30	-27
Density @ 15°C	kg/L	0.865	0.870	0.875	0.880	0.885	0.890
Foam Tendency (Seq I, 24°C)	ml	10/0	10/0	10/0	10/0	10/0	10/0
Rust Test (ASTM D665A)	-	Pass	Pass	Pass	Pass	Pass	Pass
Copper Corrosion (3h @ 100°C)	ASTM D130	1B	1B	1B	1B	1B	1B

Product Features & Benefits

- **Reduced Gas Solubility:** Prevents viscosity dilution and improves efficiency
- **Superior Wear Protection:** Extends equipment life and reduces maintenance costs
- **High Oxidation & Thermal Stability:** Resists deposit formation and oil degradation
- **Outstanding Foam & Sludge Control:** Ensures smooth operation and reduced wear
- **Extended Drain Intervals:** Reduces downtime and increases operational efficiency
- **Excellent Low-Temperature Fluidity:** Allows easy start-ups in cold conditions

Health, Safety, and Environment

- **Handling:** Avoid prolonged skin contact; wash with soap and water if contact occurs.
- **Disposal:** Dispose of used oil responsibly at authorized collection points.
- **Storage:** Store in a covered, dry environment at temperatures below 60°C. Keep drums horizontally to prevent water ingress.



Mileage (Drain Interval) for SCOM Compressor Oil

Viscosity Grade (ISO VG)	Typical Drain Interval (Hours)	Best-Suited Applications
32	4,000 - 6,000	High-speed rotary screw compressors
46	5,000 - 7,500	Reciprocating compressors, vacuum pumps
68	6,000 - 8,000	Heavy-duty rotary vane and screw compressors
100	7,500 - 10,000	High-temperature reciprocating compressors
150	8,000 - 12,000	Large, slow-speed air and gas compressors
220	10,000+	Specialized high-load, high-pressure compressors

- Severe Conditions (High Load & Temperature): Reduce interval by 20-30%
- Condition Monitoring: Regular oil analysis ensures extended drain intervals and peak performance

