



DC Series Synthetic Ester Compressor Oil

ISO VG 100 & 150

AMSOIL DC Series Synthetic Ester Compressor Oil is a long-life, premium compressor lubricant based on unique, proprietary technology. It improves compressor efficiency and extends drain intervals in reciprocating (piston) compressors and rotary-screw vacuum pumps where high discharge temperatures or carbon buildup are a concern.

AMSOIL DC Series incorporates high-quality, thermally stable synthetic esters fortified with premium non-detergent, ashless additives for maximum protection at high temperatures and pressures where petroleum lubricants typically break down.

Improves Compressor Efficiency

AMSOIL DC Series is designed to prevent hard carbon deposits on valves for greatly improved compressor efficiency. Valve maintenance intervals are extended and recompression is virtually eliminated. It helps reduce heat and improve compressor efficiency, saving money through lower electrical energy consumption.

Reduces Wear

Unlike other compressor oils, AMSOIL DC Series is anti-wear fortified. It helps reduce wear in high contact regions for increased compressor life and efficiency.

Extends Oil Life

AMSOIL DC Series combines the inherent oxidation resistance of synthetic esters with highly potent oxidation inhibitors. It lasts several times longer than petroleum oils, effectively reducing maintenance and waste-oil disposal costs.

Reduces Oil Consumption

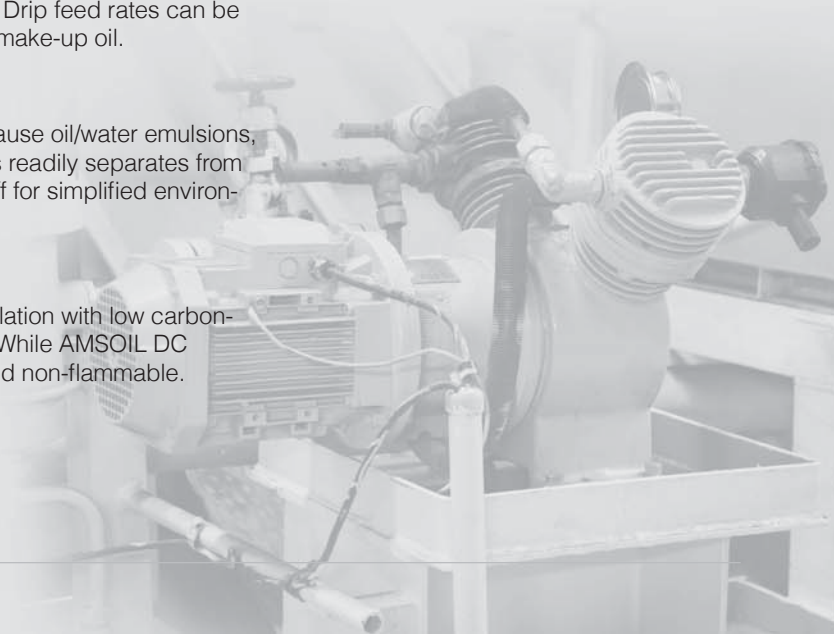
The low volatility and highly polar nature of AMSOIL DC Series reduces the amount of oil needed for cylinder lubrication compared to petroleum oils. Drip feed rates can be lowered, downstream oil is minimized and money is saved on make-up oil.

Resists Water Contamination

Water from condensation builds up in compressors and can cause oil/water emulsions, environmental discharge hazards and rust. AMSOIL DC Series readily separates from water and it is anti-rust fortified. Water can be easily drained off for simplified environmental discharge and increased oil life.

Safety Advantage

AMSOIL DC Series features an ashless, high-flash-point formulation with low carbon-forming properties to minimize ignition-promoting "hot spots." While AMSOIL DC Series can provide improved fire safety, it cannot be considered non-flammable.



Typical Technical Properties

DC Series Synthetic Ester Compressor Oil

	DCK	DCL
ISO Viscosity Grade (ASTM D2422)	100	150
Kinematic Viscosity @ 100°C, cSt (ASTM D445)	13.4	18.0
Kinematic Viscosity @ 40°C, cSt (ASTM D445)	98.6	153
Viscosity Index (ASTM D2270)	134	131
Density (ASTM D1298)	7.612	7.592
Flash Point, °C (°F) (ASTM D92)	268 (514)	248 (478)
Fire Point, °C (°F) (ASTM D92)	282 (540)	270 (518)
Pour Point, °C (°F) (ASTM D97)	-43 (-45)	-40 (-40)
Four-Ball Wear Test (ASTM D4172: 40 kg, 75°C, 1200 rpm, 1 hr) Scar, mm.	0.47	0.43
Copper Strip Corrosion Test (ASTM D130)	1A	1A
Foam, ml (ASTM D892) Seq I, II, III at end of test	0/0, 0/0, 0/0	0/0, 20/0, 0/0
Demulsibility (ASTM D1401) [oil/water/cuff (minutes)].	40/40/0 (20)	40/40/0 (25)
Rust Procedure A (ASTM D665)	Pass	Pass

APPLICATIONS

Use the appropriate viscosity of AMSOIL DC Series in rotary vane and reciprocating compressors and rotary-screw vacuum pumps. Monitoring by oil analysis is recommended.

COMPATIBILITY

AMSOIL DC Series is compatible with petroleum and most other synthetic-based lubricants. For best performance, AMSOIL recommends the compressor be thoroughly drained and cleaned prior to the installation of DC Series. If carbon deposits are present on internal components, it is recommended they be removed following the compressor manufacturer recommendations. Check filters regularly for the first 500 hours of operation and clean or replace as necessary.

Not recommended for “breathing air,” refrigeration compressors or for use with chlorine, oxygen, hydrogen chloride, ammonia or sulfur hexafluoride gases.

Not compatible with polyalkylene glycol (PAG) or silicone oils.

AVAILABILITY

This product is not stocked and is available by special order only. Contact AMSOIL Technical Services at tech@amsoil.com or (715) 399-TECH for more information.

AMSOIL PRODUCT WARRANTY

AMSOIL products are backed by a Limited Liability Warranty. For complete information visit AMSOIL.com/warranty.aspx.

HEALTH & SAFETY

This product is not expected to cause health concerns when used for the intended applications and according to the recommendations in the Safety Data Sheet (SDS). An SDS is available at AMSOIL.com or upon request at (715) 392-7101. **Keep Out of Reach of Children.** Recycle used oil and bottle.

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