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# COLTRI OIL ST 755

**Fully Synthetic** compressor lubricant based on **Tri-Ester** technology, specifically designed to provide long-term lubrication for processing breathing air and in process gas compressors.

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COLTRI OIL ST 755 is specially designed to fully meet the requirements of all Aerotecnica Coltri high performance compressors, used for processing breathing air, enriched air up to 40% Oxygen, "Nitrox" and technical gases.

Thanks to its specific formulation, COLTRI OIL ST 755 provides outstanding performance in terms of thermal/oxidative resistance and deposits control.

Because of this specific chemistry the product is the ideal lubricant for all piston type reciprocating compressors and also for high-pressure reciprocating compressors for scuba equipment filling, hyperbaric chambers and medical appliances.

The product provides several properties both to Constructors and to the end consumer. The use of this special product guarantees:

- Low level of volatility, fewer oil top-up;
- Reduces compressor maintenance;
- Greatly reduces fire and Explosion hazard;
- Separates water condensate rapidly;
- Eliminates lacquering and deposits;
- Reduces energy consumption;

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## Application fields

COLTRI OIL ST 755 has been developed for the lubrication of all piston type reciprocating compressors and also for high-pressure reciprocating compressors for scuba equipment filling, hyperbaric chambers and medical appliances.

Other applicable gases:

• Air • Furnace (crack) Gas • Natural Gas • Ethylene • Methane • Synthesis Gas • Hydrogen Sulfide (dry) • Sulfur Hexafluoride • Carbon Monoxide • Propane • Carbon Dioxide (dry) • Hydrogen • Butadiene • Helium • Nitrogen • Nitrox max 40% O<sub>2</sub>

Nominal Operating Range is -15°C to +250°C

## Performance levels

DIN 51506-VLD, ISO 6743-3 L-DVC

## Chemical-Physical Characteristics

COLTRI OIL ST 755	Method analysis	Unit measure	Value
Density at 15°C	ASTM D1298	kg/l	0,970
Kinematic Viscosity at 40°C	ASTM D445	cSt	153,8
Kinematic Viscosity at 100°C	ASTM D445	cSt	14,34
Viscosity Index	ASTM D2270	-	90
Flash Point (C.O.C.)	ASTM D92	°C	> 240
Pour Point	ASTM D97	°C	< -35
Foaming Test - Sequence I, 24°C	ASTM D892	ml / ml	0 / 0
Foaming Test - Sequence II, 94°C	ASTM D892	ml / ml	0 / 0
Foaming Test - Sequence III, 24°C after 94°C	ASTM D892	ml / ml	0 / 0

*The data just above refer to average values and must not be understood as guaranteed characteristics.*

*This Technical Data Sheet has been carefully checked to guarantee complete and precise information. However, we do not take any responsibility in case of damages caused by any mistakes or omissions. Due to continual product research and development, the information contained herein is subject to change without notification.*