repsol lubricants

Turbines & Compressors Oil

MAKER SYNTHETIC COMPRESSOR

Description

Next-generation synthetic oil, formulated with PAO base oil and advanced additives, designed for the lubrication of rotary and reciprocating air compressors operating under severe working conditions. Compatible with mineral oils to facilitate the transition, although mixing will result in reduced product performance.

Properties

·Superior protection against oxidation and corrosion.
·Excellent water separation and anti-foam properties.
·Optimal performance across a wide temperature range thanks to its high viscosity index.
·Compatibility with common seals and paints.
·Minimizes sludge formation in ultra-fine filters and prevents varnish and deposit buildup on sensitive components such as servo valves and actuators.
·Extended oil life: change intervals of over 4,000 hours*

* Consult the equipment manufacturer for the exact maintenance interval, as it will depend on intake air quality, duty cycle, and environmental conditions. For tropical climates with humidity and hot air, a 4,000-hour change interval is recommended, which can be extended based on oil analysis results and reported values.

Recommended Applications

·Rotary screw and vane air compressors, single or two-stage, with oil injection or oil bath.
·Reciprocating compressors.
·Turbo-compressors with integrated lubrication systems.
·Compatible with compressors from leading manufacturers.
·Thanks to its excellent filtration capability and a zinc-free additive package, this fluid is ideal for hydraulic systems requiring ashless products.

Quality levels, approvals and recommendations

- ABB HTGD 90 117 V0001R 117
- DIN 51506 VDL
- DIN 51524-HVLP
- ISO 6521/1 DAA, DAB
- ISO 6521/2 DAG, DAH, DAJ
- ISO 6743/3 L-DAB, DAJ
- ISO 6743/4 HV, 11158 HV

Technical specifications

	UNIT	METHOD	VALUE	
ISO Viscosity Grade			46	68
Density at 15 °C	g/cm3	ASTM D4052	0,830	0,828
Kinematic viscosity at 40 °C	cSt	ASTM D445	46	68
Kinematic viscosity at 100 °C	cSt	ASTM D445	8,218	10,7
Viscosity index	-	ASTM D2270	151	159
Flash point, open cup	°C	ASTM D92	›195	›195
Pour point	°C	ASTM D97	-33	-57
Corrosion Cu, 3hrs 100 °C	-	ASTM D130	1b	1b
Rust, method A	-	ASTM D665	PASA	PASA
TAN	mg KOH/g	ASTM D664	‹0,14	‹0,14

The above mentioned characteristics are typical values and should not be considered product specifications.