

# PETRONAS COMPRESSOR A SYN POE SERIES

## Supreme Performance (POE) Industrial Air Compressor Oil

PETRONAS Compressor A SYN POE Series are supreme performance air compressor oils specially developed for up to 12,000 hours oil life in service, even when operating at maximum discharge temperatures up to 120°C.

Formulated with high viscosity index Polyol Ester (POE) synthetic base oils enhanced with advanced anti-oxidant, anti-wear (zinc-free), anti-rust and anti-foam additives, PETRONAS Compressor A SYN POE oils provide excellent varnish and deposits control, excellent thermal and oxidation stability for long lasting performance.

PETRONAS Compressor A SYN POE Series meets or exceeds key industrial specifications.

### Applications

PETRONAS Compressor A SYN POE Series are recommended for use in:

- reciprocating, rotary screw and hydrovane compressors with critical gears and bearings
- compressors used in stationary and mobile applications

Note: PETRONAS Compressor A SYN POE Series are compatible with mineral compressor oils.

### Features and Benefits

Features	Benefits
Excellent varnish and deposits control	Maintains excellent internal surface cleanliness, controls varnish formation providing longer equipment life
Excellent thermal and oxidation stability	Maintains performance levels under high temperatures and pressure, enabling long oil drain intervals
Low volatility	Reduce maintenance and oil consumption
Excellent rust & corrosion protection	Inhibits the corrosion process that occurs in presence of water, improving equipment life
Very good anti-wear protection	Protects equipment components from excessive wear and provides longer equipment life
High air release stability	Maintains excellent efficiency in compressors and ensures smooth operation of the system thanks to fast air release. Protects the system from air degenerative effects reducing maintenance costs
High multi metal compatibility	Compatible with most metal alloys ensuring trouble free performance of the system

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### Typical Properties

Characteristic	Method	Specification	46	68
Specific Gravity @15°C	ASTM D4052	(1)	0,954	0,963
Kinematic Viscosity at 40°C, cSt	ASTM D445	(1)	50	68
Kinematic Viscosity at 100°C, cSt	ASTM D445	(1)	7,5	9,2
Viscosity Index, min	ASTM D2270	(1)	113	112
Flash Point	ASTM D92	(1)	260	270
Pour Point, max °C	ASTM D97	(1)	-39	-33
TAN, mgKOH/g	ASTM D664	(1)	0,09	0,09
Noack Volatility, % Loss	ASTM D972	(1)	3,2	1,4
Rust Test, A - Distilled Water	ASTM D665	(1)	Pass	Pass
Air Release @50°C, mins.	ASTM D 3427	(1)	0,0	1,1
RPVOT, mins	ASTM D2272	(1)	6000	6000

All technical data are provided for reference only / (1): not required in specification / SS is available upon request including quality control limits

### Performance Levels

- ISO 6743-3: DAB and DAJ

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### Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil or water.

For further detail regarding storage, safe handling, and disposal of product, please refer to product SDS or contact us at: [www.pli-petronas.com](http://www.pli-petronas.com).

### Important Note

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