

PETRONAS COMPRESSOR A M2 SERIES

High Performance Air Compressor Oil

PETRONAS Compressor A M2 Series are high performance air compressor oils specially developed for up to 2,000 hours oil life in service, even when operating at maximum discharge temperatures up to 100°C.

Formulated with high quality selected mineral base oils enhanced with advanced anti-oxidant, anti-wear (zinc free), anti-rust and anti-foam additives, PETRONAS Compressor A M2 oils provide very good varnish and deposit control, very good thermal and oxidation stability for long lasting performance.

PETRONAS Compressor A M2 Series meets or exceeds key industrial specifications.

Applications

PETRONAS Compressor A M2 Series are recommended for use in:

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

Features and Benefits

Features	Benefits
Very good varnish and deposit control	Maintains very good internal surface cleanliness, controls varnish formation providing longer equipment life
Very good thermal and oxidation stability	Maintains performance levels under regular temperatures and pressure, enabling long oil drain intervals
Very good 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
Very good air release and foam stability	Maintains good 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
Very good water separability	Due to good water separability, the system is protected from water degenerative effects, maintaining compressor efficiency at required level and reducing maintenance costs
High multi metal compatibility	Compatible with most metal alloys ensuring trouble free performance of the system
High compatibility with most seal and elastomers	Compatible with most seals and elastomers, which prevents oil leaks and contamination due to seal erosion

Technical Data Sheet

Revision Date: 28.07.2020

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Typical Properties

Characteristic	Method	Specification	32	46	68
Specific Gravity @15°C	ASTM D 4052	(1)	0,865	0,873	0,875
Kinematic Viscosity at 40°C, cSt	ASTM D 445	±10%	32	46	68
Kinematic Viscosity at 100°C, cSt	ASTM D 445	**	5,4	6,8	8,8
Viscosity Index	ASTM D 2270	(1)	102	102	102
Flash Point, °C	ASTM D 92	**	220	220	220
Pour Point, °C	ASTM D 97	Max. -9	-33	-33	-30
TAN, mgKOH/g	ASTM D 664	Report	0,09	0,09	0,09
Water Separability, 40/37/3 - mins	ASTM D 1401	(1)	15	15	20
Copper Strip Corrosion	ASTM D 130	(1)	1b	1b	1b
Foam Sequence I, mL		(1)	30/0	30/0	30/0
Foam Sequence II, mL	ASTM D 892	(1)	50/0	50/0	50/0
Foam Sequence III, mL		(1)	30/0	30/0	30/0
Air Release @50°C, mins.	ASTM D 3427	(1)	0,5	1,2	2,2
RPVOT, mins	ASTM D 2272	(1)	Min. 1000	Min. 1000	Min. 1000
Characteristic	Method	Specification	100	150	
Specific Gravity @15°C	ASTM D 4052	(1)	0,877	0,879	
Kinematic Viscosity at 40°C, cSt	ASTM D 445	±10%	100	150	
Kinematic Viscosity at 100°C, cSt	ASTM D 445	**	11,2	15,5	
Viscosity Index	ASTM D 2270	(1)	97	106	
Flash Point, °C	ASTM D 92	**	220	220	
Pour Point, °C	ASTM D 97	Max. -9	-27	-24	
TAN, mgKOH/g	ASTM D 664	Report	0,09	0,09	
Water Separability, 40/37/3 - mins	ASTM D 1401	(1)	25	25	
Copper Strip Corrosion	ASTM D 130	(1)	1b	1b	
Foam Sequence I, mL		(1)	30/0	30/0	
Foam Sequence II, mL	ASTM D 892	(1)	50/0	50/0	
Foam Sequence III, mL		(1)	30/0	30/0	
Air Release @75°C, mins.	ASTM D 3427	(1)	2,8	3,1	
RPVOT, mins	ASTM D 2272	(1)	Min. 1000	Min. 1000	

All technical data are provided for reference only and all specification based on DIN 51506 VDL

**Individual limits accordingly with each viscosity grade / (1): not required in specification / SS is available upon request including quality control limits

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Performance Levels

- DIN 51506 VDL (1985-09)
- ISO 6743-3: DAG

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.

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