

PETRONAS COMPRESSOR A M4 SERIES

Premium Performance Air Compressor Oil

PETRONAS Compressor A M4 Series are premium performance air compressor oils specially developed for up to 4,000 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 M4 oils provide high varnish and deposit control, high thermal and oxidation stability for long lasting performance.

PETRONAS Compressor A M4 Series meets or exceeds key industrial specifications.

Applications

PETRONAS Compressor A M4 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 |
|--|--|
| High varnish and deposit control | Maintains high internal surface cleanliness, controls varnish formation providing longer equipment life |
| High thermal and oxidation stability | Maintains performance levels under high temperatures and pressure, enabling long oil drain intervals |
| High 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 and foam stability | Maintains high 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 system 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 |



PETRONAS

Technical Data Sheet
Version 2.0_23.11.2016

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Typical Properties

| Characteristic | Method | Specification | 32 | 46 | 68 | 100 |
|------------------------------------|-------------|---------------|-----------|-----------|-----------|-----------|
| Specific Gravity @15°C | ASTM D 4052 | (1) | 0,865 | 0,877 | 0,883 | 0,895 |
| Kinematic Viscosity at 40°C, cSt | ASTM D 445 | ±10% | 32 | 46 | 68 | 100 |
| Kinematic Viscosity at 100°C, cSt | ASTM D 445 | ** | 5,4 | 6,9 | 9,0 | 11,5 |
| Viscosity Index | ASTM D 2270 | (1) | 102 | 105 | 107 | 102 |
| Flash Point, °C | ASTM D 92 | ** | 220 | 220 | 240 | 240 |
| Pour Point, °C | ASTM D 97 | Max. -9 | -33 | -33 | -30 | -27 |
| TAN, mgKOH/g | ASTM D 664 | Report | 0,08 | 0,08 | 0,08 | 0,08 |
| Water Separability, 40/37/3 - mins | ASTM D 1401 | (1) | 15 | 15 | 20 | 25 |
| Copper Strip Corrosion | ASTM D 130 | (1) | 1b | 1b | 1b | 1b |
| Foam Sequence I, mL | ASTM D 892 | (1) | 20/0 | 20/0 | 20/0 | 20/0 |
| Foam Sequence II, mL | | (1) | 30/0 | 30/0 | 30/0 | 30/0 |
| Foam Sequence III, mL | | (1) | 20/0 | 20/0 | 20/0 | 20/0 |
| RPVOT, mins | ASTM D 2272 | (1) | Min. 1500 | Min. 1500 | Min. 1500 | Min. 1500 |

All technical data is 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

Performance Levels

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

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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

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