

Balmerol® Synthpress Series

High Performance Synthetic Compressor Oil

Technical Data Sheet

Product Description:

Balmerol Synthpress Series are primarily advanced Poly Alkylene Glycol based synthetic air compressor oil, incorporating a unique high performance additive system that ensures exceptional resistance to oxidation and thermal degradation.

Balmerol Synthpress Series **meets** the following specification:

- DIN 51506 (VBL, VCL, VDL)
- ISO / DP 6521 (DAA, DAB, DAH, DAG)

Features & Benefits:

Balmerol Synthpress Series provides the following benefits:

- Exceptional performance at high operating temperatures
- No sludge & varnish formation leading to cleaner operations
- High flash point resulting in improved safety
- Longer oil life than PAO / Mineral based product
- Significantly extends the life of an air compressor and leading to lower maintenance cost

Applications / Recommendations:

Mainly recommended for rotary screw air compressors, especially operating at high temperatures.

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Typical Properties:

Balmerol Synthpress Series		
Properties	Synthpress 46	Synthpress 68
Colour	Pale Yellow	Pale Yellow
Kinematic Viscosity, cSt @ 40°C, ASTM D 445	47.4	67.44
Kinematic Viscosity, cSt @ 100°C, ASTM D 445	8.62	11.52
Viscosity Index, ASTM D 2270	162	166
Pour Point, °C, ASTM D 97	-39	-39
Flash Point, COC, °C, ASTM D 92	> 260	> 260
Foaming test, ASTM D 892		
a) at 24 °C	0,0	0,0
b) at 93.5 °C	5,0	5,0
c) at 24 °C after test at 93.5 °C	0,0	0,0
Demulsibility Test @ 54 °C, water separation in 30 minutes, ml, ASTM D 1401	36	37
Rust Test @ 60 °C for 24 hrs., ASTM D 665 B	No Rust	No Rust
Four Ball Wear Scar Dia, mm, ASTM D 2783	0.46	0.42
Copper Strip Corrosion, 3 hrs @ 100 °C, ASTM D 130	1b	1b
Oxidation stability by RPVOT Test in hrs., ASTM D 2272	> 300	> 300
Evaporation loss in % by Noack Volatility test @ 250 °C for 1.0 hrs., ASTM D 5800	5.76	4.97
Seal Compatibility with Nitrile Rubber @ 120 °C, 70 hrs., IS:3400, Part 6		
Change in Volume in %	-0.13	-0.15
Change in Shore Hardness 'A' in Units	1	1



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Health and Safety:

Balmerol Synthpress Series are not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. For MSDS please contact your local Balmer Lawrie Marketing / Technical Service team.

For Further Information, contact:

Balmer Lawrie & Co. Ltd.

SBU: Greases & Lubricants (G&L) Division

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