Puma Synthetic Compressor Oil

- ✓ Corrosion Resistance
- ✓ Varnish Reduction
- ✓ Extended Drain
- ✓ Reduced Oxidation
- ✓ Seal Compatibility

Puma Synthetic Compressor Oil Series is a synthetic Polyalphaolefin (PAO) based compressor fluids specially formulated to meet the exacting demands of modern day compressor operating at high temperatures. These fluids address the issues experienced with mineral oil compressors when subjected to higher operating temperatures where extremes are experienced such as in two stage compressors, screw compressors and vacuum pump compressors. Comes in 46,68,100 grades

Designed to Perform

Longer Equipment Life

Delivers improved thermal and chemical stability, under sever operational conditions; where load, pressure and temperatures place extreme stress on the oil. The formulations and additive technology provide superior protection against, corrosion, rust, emulsification, anti-foaming and the formation of oxidation decomposing contamination materials such as sludge and varnish.

Benefits

- o Will minimise deposit formation that lead to carbon build up and varnish gumming.
- o Extended drain intervals can be achieved supported by a PUMA Oil Condition Monitoring programme.
- o Superior Oxidation and Chemical stability leading to extended fluid life and equipment protection.
- o Superior demulsification properties and anti-foam properties improve operational performance.
- o Exceptional levels of corrosion protection
- o Very good filterability properties avoid filter plugging
- o Fully compatible with seals, paints and air-line tube

Application

Puma Synthetic Compressor Oils are ideally designed to replace mineral oils where compressors are under sever and demanding loads, pressures and operational temperatures. Making it ideal in the modern-day compressors such as single and two stage oil flooded rotary screw compressors and reciprocating compressors.

Suitable for oil change intervals based on

- o 250 days or 3000 hours - where operating temperatures are extreme between - 40℃ and 160℃
- o Up to 6000 hours continuous running – where normal operational conditions and temperatures are experienced

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Meets the requirements of the following specifications:

DIN 51506 VBL, VCL, DVL
ISO/DP 6521 – DAA, DAB, DAH, DAG.
Hoesch HWN 2333
VDMA 24318
US Steel 126, 127 & 136
SIS SS 155434

DIN 51524 Part 2 & 3
Thyssen TH N-256132
CETOP RP 91 H (HM & HV)
SPERRY VICKERS, I-286-S, M2950-S
Denison Filterability TP02100
AFNOR NFE 48-603

Puma Energy Australia
365 Macarthur Ave, Hamilton, QLD 4007
Ph +61 (7) 3457 2500

Puma Energy Singapore
10 Colyer Quay Ocean Financial Centre
Singapore 049305
Ph +65 63 19 2960

Puma Energy Papua New Guinea
PO Box 1971, Port Moresby NCD
Ph +675 309 9300

Typical Physical Characteristics

Test	Temp	Units		Typical Results		
Viscosity Grade ISO	-	-	-	46	68	100
Density	15℃	g/mL	ASTM D-1298	0.84	0.84	0.85
Viscosity Kinematic	40℃	cSt	ASTM D-445	46	68	100
Viscosity Kinematic	100℃	cSt	ASTM D-445	8.4	10.8	14.1
Viscosity Index	-	-	ASTM D-2270	161	150	145
Flash Point	-	ºC	ASTM D-92	240	240	240
Pour Point	-	ºC	ASTM D-97	-45	-42	-44
Rust Test (Synthetic Sea Water)			ASTM D-665B	Pass	Pass	Pass

These characteristics are typical of current product methods whilst future production will conform to Puma Lubricants specifications, variations in these physical characteristics may occur.

Health & Safety Environment

- This product is unlikely to present any significant health and safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.
- Avoid contact with eyes and skin, use proper impervious gloves with used oil. After skin contact, wash immediately with soap and water. Guidance on health and safety is available on the appropriate Safety Data Sheet (SDS) which can be obtained from pumaenergypng.datasheetdownloads.com , sds.pumaenergy.com.au.

Protect the Environment

- Take used oil to an authorized collection point. Do not discharge used or new oil into drains, soil or water.

Additional Information

- Technical advice on any applications not covered here may be obtained from your Puma Energy Representative.

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