Q8 Schumann 46

Product Data Sheet

Application

- Air compressors and vacuum pumps
  ISO 6743-3, categories DAA-DAB-DAG-DAH-DAJ and DVA
  DIN 51506, category VDL
  DIN 51517, category CLP

Benefits

- Extended drain periods of up to eight times mineral oils
- Compatible with mineral oils
- Compatible with normally used elastomers and plastic materials
- Energy saving and reduced oil consumption
- Reduced fire and explosion risks
- Less maintenance
- Outstanding low temperature startability
- Multi-purpose oil

References

- Q8 Schumann exceeds current Standards and manufacturer requirements for air compressor and gear lubricants

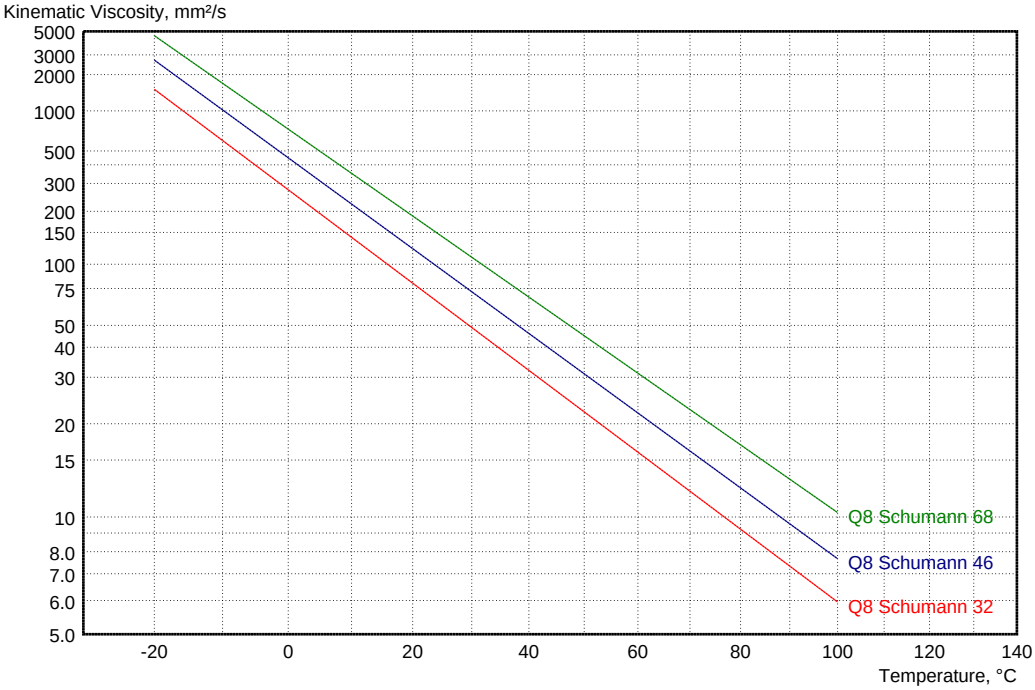
Formulation

- Polyalphaolefins
- Anti-wear/Extreme Pressure Additive
- Rust Inhibitor
- Anti-oxidant
- Anti-foam Agent

Properties

	Method	Units	Inspection Data
ISO Viscosity Grade	-	-	46
Absolute Density, 15 °C	D 4052	kg/m³	835
Kinematic Viscosity, 40 °C	D 445	mm²/s	46.0
Kinematic Viscosity, 100 °C	D 445	mm²/s	7.66
Viscosity Index	D 2270	-	134
Flash Point	D 92	°C	238
Pour Point	D 97	°C	-54
Ash	D 482	% mass	0.01
Sulfated Ash	D 874	% mass	0.04
Colour	D 1500	-	L0.1
Rust Test, Proc. A and B, 24 h	D 665	-	pass
Total Acid Number	D 974	mg KOH/g	0.72
Emulsion, Distilled Water, 54.4 °C	D 1401	-	40-40-0(15)
Foam, 5 min blowing, seq. 1/2/3	D 892	ml	0/0/0
10 min settling, seq. 1/2/3		ml	0/0/0
Air Release, 50 °C	DIN 51381	min	2
Pneurop Oxidation Test Value,	DIN 51352		
Part 2, 200 °C, Fe2O3, 4 x 6 h		-	0.4
FZG Test, A/8.3/90	DIN 51354	load stage	pass 12

The figures above are not a specification. They are typical figures obtained within production tolerances.


Kinematic Viscosity, mm²/s
5000
3000
2000
1000
500
300
200
150
100
75
50
40
30
20
15
10
8.0
7.0
6.0
5.0
-20
0
20
40
60
80
100
120
140
Temperature, °C
Q8 Schumann 68
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