



## Q8 Haydn 46

### Product Data Sheet

#### Application

- Wide range of hydraulic equipment  
ISO 11158, category HM  
SS 155434, category AM  
DIN 51524 part 2, category HLP  
MAG IAS P-68, P-69, P-70  
Denison HF-0, HF-1 and HF-2  
AFNOR 48-603, category HM  
ISO 6743-4, category HM  
DIN 51502, category HLP  
Eaton Brochure 03-401-2010

#### Benefits

- Optimum anti-wear performance, based on a zincdiakylidithiophosphate additive
- Long service life due to high thermal and oxidation stability for high temperature applications
- Trouble-free operation due to the unique combination of outstanding demulsibility, foam, air release, hydrolytic stability and filterability characteristics
- Can also be applied in other industrial equipment such as screw-air compressors and not severely loaded gears

#### References

- Q8 Haydn meets the requirements of the major hydraulic component manufacturers.
- Q8 Haydn 32, 46 and 68 are approved by Denison against the HF-O specification.

#### Formulation

- Paraffinic Mineral Oils
- Anti-wear Additive
- Anti-oxidant
- Rust Inhibitor
- Anti-foam Agent
- Corrosion Inhibitor

#### Features and Benefits

- Optimum anti-wear performance, based on a zincdiakylidithiophosphate additive
- Long service life due to high thermal and oxidation stability for high temperature applications
- Trouble-free operation due to the unique combination of outstanding demulsibility, foam, air release, hydrolytic stability and filterability characteristics
- Can also be applied in other industrial equipment such as screw-air compressors and not severely loaded gears

**Properties**

	Method	Units	Inspection Data
ISO Viscosity Grade	-	-	46
Absolute Density, 15 °C	D 4052	kg/m <sup>3</sup>	874
Kinematic Viscosity, 40 °C	D 445	mm <sup>2</sup> /s	46.0
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /s	6.72
Viscosity Index	D 2270	-	98
Flash Point	D 92	°C	222
Pour Point	D 97	°C	-30
Copper Strip, 3 h, 100 °C	D 130	-	1
Rust Test, Proc. A and B, 24 h	D 665	-	pass
Total Acid Number	D 974	mg KOH/g	0.3
Emulsion, Distilled Water, 54.4 °C	D 1401	-	40-40-0(10)
Air Release, 50 °C	DIN 51381	min	4
Foam, 5 min blowing, seq. 1/2/3	D 892	ml	5/10/5
10 min settling, seq. 1/2/3		ml	0/0/0
FZG Test, A/8.3/90	DIN 51354	load stage	12
Oxidation, Time to 2.0 TAN	D 943	hours	>1500

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

