

Q8 Foil Range

Hydraulic Oils

Product Description

Q8 Foil hydraulic oils are manufactured from high quality solvent refined base stocks and combine excellent anti-wear characteristics based on low zinc technology, with full inhibition against rust, oxidation and foam. The Q8 Foil range of products are chemically and thermally stable, resistant to oxidation and degradation at elevated operating temperatures, preventing the formation of harmful deposits on filters and valves. They have good demulsibility, allowing ready separation of any water contamination. Anti-foam treatment ensures that entrained air separates out rapidly preventing the possibility of pump cavitation.

The Q8 Foil range are classified HM in the ISO grading system and meets the following hydraulic industry standards:

- Vickers 1-286-S (Industrial)
- Denison HF-2

Applications

Q8 Foil high performance hydraulic oils provide excellent response and a long trouble free service life in oil filled hydraulic systems employing piston, vane or gear pumps operating at high pressures and temperatures generated by today's high performance hydraulic machinery.

Q8 Foil 32 is the most popular viscosity for hydraulic systems and covers the majority of applications in both, industrial and construction plant. It is particularly recommended for the high pressure systems of machine tools, especially CNC machines employing fine control mechanisms, presses and earth moving equipment.

Main Features and Benefits

- Reduced mechanical wear of pumps, valves and actuators
- Excellent chemical and thermal stability
- Ability to shed water rapidly
- Good resistance to foaming and cavitation
- Superior additive package ensures long service life.
- Excellent protection against rust and corrosion
- Compatible with all conventional sealing materials used in hydraulic systems

Typical Inspection Data

Q8 Foil Viscosity Grade			32	37	46	68
Property	Method	Unit	Inspection Data			
Absolute Density, 15 °C	D 4052	kg/m ³	870	873	875	881
Kinematic Viscosity, 40 °C	D 445	mm ² /s	32.0	37.0	46.0	68.0
Kinematic Viscosity, 100 °C	D 445	mm ² /s	5.33	5.83	6.72	8.66
Viscosity Index	D 227	-	98	98	98	98
Flash Point	D 92	°C	208	216	222	246
Pour Point	D 97	°C	- 18	- 18	- 18	-18

Health and Safety

Reference should be made to the relevant Q8 Material Safety Data Sheet before use.

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In line with our policy of continued improvement, Kuwait Petroleum International Lubricants reserve the right to change specification and availability without prior notice



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technical data