Q series
by HEXAGON

Product info

**Q® Series by Hexagon**

Q® Series is the exclusive product line designed and manufactured for Hexagon Europe under its strict quality and performance requirements.

All Q® Series products provide high performance characteristics and are uniquely & exclusively supported by Hexagon's unmatched after sales service and support in combination with HAP Hexagon Analysis Programme.

# Q® Flame Fire Resistant Hydraulic Fluid HF 46

## Description

Q® Flame Fire Resistant Hydraulic Fluid HF 46 by Hexagon, is a fire-resistant hydraulic fluid based on a selected polyol ester base stock. It is specially designed for use in very high temperature applications and highly unfavorable conditions. It is environmentally friendly and readily biodegradable according to the OECD 301B specification. It is enriched with a carefully selected antiwear and antioxidant additive package that provides excellent protection during operation and a prolonged service life.




## Applications

Q® Flame Fire Resistant Hydraulic Fluid HF 46 by Hexagon, is recommended to be used in all types of applications where a fire-resistant fluid is required to guarantee operational safety. It is also suitable for application where extreme operating environment temperatures (high or low) are observed or as an environmentally friendly hydraulic fluid.

## Advantages

- Fire resistant, suitable for extreme temperature environments. Exceptional anti-frictional properties.
- Superior demulsification properties.
- Efficient protection from rust and corrosion.
- Exceptional capability of de-aeration.
- Environmentally friendly fluid Easy filterability Efficient anti-wear performance.
- Ideal for applications where high level of operational safety is required.
- Compatibility with metal parts.

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**Performance Level**

- DIN 51524 part III HVLP
- ISO 12922 HFDU
- OECD 301B
- DENISON HF-2

## Typical Characteristics

| Q® Flame Fire Resistant Hydraulic Fluid by Hexagon | METHOD | ISO 46 |
|---|---|---|
| Product Name | | Flame Fire Resistant Hydraulic Fluid HF 46 |
| Density at 20 °C, g/ml | ASTM D1298 | 0.920 |
| Viscosity at 40 °C, cSt | ASTM D445 | 46 |
| Viscosity Index | ASTM D2270 | 184 |
| Flash Point, [COC], °C | ASTM D92 | >320 |
| Autoignition temperature,o C | ASTM D92 | 412 |
| Hot manifold ignition temperature,o C | ISO 20823 | 465 |
| Pour Point, °C | ASTM D97 | - 48 |
| Foaming tendencies at 25o C, ml/ml | ASTM D892 | 30/0 |
| Vane pump test, mg | ASTM D2882 | 3 |
| Biodegradability, wt% after 28 days | OECD 301B | >60 |



# Q® Flame Fire Resistant Hydraulic Fluid HF 46

## Available Packages

Pail[20lt],Drum[208lt],IBC[1.000lt],
(For more available packages, please contact our sales department)

## Health and Safety

Avoid prolonged or repeated contact of used lubricants with skin. In case of skin contact wash well. Used lubricants should be collected in special containers and disposed of in accordance to local legislation. For additional information please consult with the Material Safety Data Sheet (SDS).

## About Hexagon Europe

Hexagon Europe was founded in Greece in 1989. It is the exclusive distributor and marketer of the following brands in various territories and countries:

- **Lubrication Engineers® (USA),** high-performance lubricants designed for heavy industries, the shipping industry, off-road and on-road vehicles and passenger cars,
- **Viper® WRL,** Wire Rope Lubricator (a unique system to lubricate and protect wire ropes of any size,
- **Spillaway® Projects**, bioremediation products that bioremediate oil spills of any kind from soil or the sea,
- **Delta-Xero®,** an innovative filtration systems manufacturer of most fluids and fuels, filters down to 1μm.
- **MAK Chem®,** with a complete line of chemical cleaning products,
- **Elix®** waterless hand-cleaning towels and other cleaning substances,
- **Fluitec® (USA),** a producer of varnish removal fluids,

- Hexagon Europe has also designed and manufactured **Q® Series by Hexagon®**, a unique high-quality line of lubricants, including EAL (Environmentally Acceptable Lubricants) and Stern Tube oils.
- **Q® Series by Hexagon®** are available globally.

Hexagon Europe is a reliable high-product and services supplier to most heavy industries, construction, food and shipping companies in its territories, with seven major warehouses strategically located globally.

Hexagon Europe offers the most advanced and sophisticated oil analysis programme, **HAP™ (Hexagon Analysis Programme™).** It is in partnership with Polaris®, offering unique oil analysis services and exclusively designed cloud software available to all its customers.

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A HEXAGON product