

Product Data Sheet

Description

Nexus MP Hydraulic Oil is a high-performance hydraulic fluid formulated from carefully selected base oils and advanced additive technology. It delivers outstanding protection and reliable performance across a wide range of manufacturing and mobile equipment applications.

The formulation is enhanced with specially engineered additives that resist thermal and mechanical degradation, helping to minimize deposit formation and maintain system cleanliness. This ensures consistent efficiency, extended equipment life, and reduced maintenance requirements in demanding operating conditions.

Applications

Nexus MP Hydraulic Oil is recommended for use in:

- Industrial hydraulic systems operating under moderate to severe conditions
- Mobile equipment such as construction, mining, and agricultural machinery
- Hydraulic systems requiring anti-wear (AW) performance
- Systems operating under high pressure and varying temperatures
- Circulating systems where oxidation stability and cleanliness are critical

Benefits

- **Excellent Wear Protection**
Reduces component wear, extending the service life of pumps and hydraulic parts
- **Outstanding Oxidation Stability**
Resists oil degradation, allowing longer service intervals
- **Superior Thermal Stability**
Maintains performance under high operating temperatures
- **Deposit Control**
Minimizes sludge and varnish formation, keeping systems clean
- **Reliable Performance**
Ensures smooth and efficient operation across a wide range of conditions
- **Good Demulsibility**
Enables quick water separation, protecting system integrity
- **Anti-Foam Protection**
Prevents foam formation for stable hydraulic operation

Product Data Sheet

	MP22	MP32	MP46	MP68	MP100	MP 150	MP220
ISO Viscosity Grade, ASTM D 2442	22	32	46	68	100	150	220
Kinematic Viscosity @ 40°C/104°F, ASTM D 445	22	32	46	68	100	150	220
Kinematic Viscosity @ 100°C/212°F, ASTM D 445	4.3	5.4	6.9	9.2	11.2	14.5	19.2
Viscosity Index, ASTM D 2270	>100	>100	>100	>100	>100	>100	>100
Flash Point, ASTM D 92, COC, °C/°F	>220/428	>220/428	>220/428	>220/428	>220/428	>220/428	>220/428
Pour Point, ASTM D 97, °C/°F	-9/15.8	-9/15.8	-9/15.8	-12/10.4	-9/15.8	-9/15.8	-9/15.8
Foam Sequence I – tendency / stability, ASTM D892, ml / ml	0/0	0/0	0/0	0/0	0/0	0/0	0/0

*Subject to usual manufacturing tolerances

Nexus MP Hydraulic Oil

20 Mar 2024

Nexus, the Nexus logo, and related marks are trademarks of Nexus Limited, used under license.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either Nexus or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.