

High Performance Hydraulic Oils

Hydra Max

AW 10W/32/46/68/100/150/220



Product Description

Hydra Max Hydraulic Oil are excellent quality anti – wear hydraulic oil developed for use in a wide variety of industrial and mobile hydraulic system applications. It is formulated to provide excellent wear protection for hydraulic pumps and motors and protect the hydraulic system components against wear and corrosion. And they are blended from highly refined base stocks and specially selected base stocks to provide superior oxidation stability, excellent demulsibility and very high load carrying ability.

Benefits

Hydra Max provides the following benefits when used as recommended:

- Good foam resistance
- Provides excellent wear protection for hydraulic pumps and motors
- Excellent oxidation resistance and thermal stability
- Protects against rust and corrosion
- Excellent filterability
- Good load carrying capacity
- High level of withstanding capability under extreme pressure

Application

Hydra Max is recommended for use in hydraulic systems on industrial, mobile, marine equipment, automated machine tools, elevators, presses and floor jacks, marine cargo winches and steering systems, mobile construction equipment, service station lifts and air tools, pneumatic equipment lubricated through airline lubricators.

Also, it is recommended for use in medium loaded enclosed industrial gear boxes that do not require an EP additive.

Properties

Hydra Max has excellent oxidation resistance and thermal stability at high temperatures to minimize deposit formation and provide long service life. It has excellent water – separating properties to minimize the formation of emulsion, and is resistant to excessive foam build up that can cause poor hydraulic system response.

Typical Characteristics

Hydra Max	10W	32	46	68	100	150	220
ISO Grade	10W	32	46	68	100	150	220
Specific Gravity @ 15°C	0.8560	0.8595	0.865	0.8845	0.8900	0.8910	0.8970
Flash Point, °C	215	215	220	225	235	246	250
Pour Point, °C	-33	-27	-27	-27	-27	-24	-18
Viscosity at 40°C, cSt	30.5	32	46	68	100	150	220
Viscosity at 100°C, cSt	5.1	5.5	6.74	8.75	11.25	15.5	18.5
Total Acid No.	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Viscosity Index	99	98	98	99	98	100	99

Credentials & Specifications

Bosch Rexroth RE 90220
Cincinnati Machine P68, P69, P70
DIN 51524 Part 2 & 3
German Steel Industry SEB 181222
Dension Hydraulic HF-0 , HF-1, HF-2
USS 127
Vickers (Eaton) M – 2950 – S, I – 286 - S
ISO 11158:1997
AFNOR NFE – 48 - 603

Typical physical characteristics of Hydra Max are given in the table. These are intended as a guide to the industry and are not necessarily manufacturing or marketing specifications.

Health and Safety

Detailed health and safety information for this product is provided in a Material Safety Data Sheet which is available upon request from your Emarat lubricants sales office, or via the Internet on www.emarat.ae