



ATLANTA HYDRA 100

Description

These oils are specially designed for use in hydraulic circuits that require lubricants with marked anti-wear properties. Elaborated with carefully selected bases to which specific additives are added to improve their properties.

They are especially indicated for hydraulic circuits and public works machinery equipped with any type of pumps, especially when working at high pressures and, in general, for all types of mechanisms that require stable oils, and in which it is necessary to reach, and even exceed, the maximum anti-wear levels required by international standards.

Qualities

- Great resistance to oxidation and sludge formation.
- Great duration capacity.
- High viscosity index.
- Very good anti-foaming and anti-rust qualities.
- Excellent separation of water.
- Excellent filterability
- Very good compatibility with joints and seals.
- Maximum anti-wear level.
- Excellent load capacity
- High thermal and hydrolytic stability.



Quality levels

Depending on the degree of viscosity of the product, it meets the following quality levels:

- DIN-51524 Part 2 HLP
- ISO 6743/4 HM
- ISO 11158
- AFNOR NF E 48-603 HL, HM
- AFNOR FILTRABILITY (NF E 48-690 and 48 -691)
- PARKER DENISON HF-O, HF-1 and HF-2
- MAG IAS P-68 (ISO 32); P-69 (ISO-68); P-70 (ISO-46)
- Eaton Vickers I-286-S and M-2950-S

Technical Characteristics

	Unit	Method	Value	Value	Value	Value	Value	Value
ISO			15	22	32	46	68	100
Viscosity at 100°C	cSt	ASTM D 445	3,4	4,4	5,4	6,8	8,5	11
Viscosity at 40°C	cSt	ASTM D 445	15	22	32	46	68	100
Viscosity Index		ASTM D 2270	113	107	100	98	98	97
Density at 15°C	g/cm ³	ASTM D 4052	0,861	0,865	0,87	0,880	0,880	0,885
Flash point	° C	ASTM D 92	180	200	215	225	235	245
Corrosion to copper 3h at 100 ° C		ASTM D 130	1a	1a	1a	1a	1a	1a
demulsifying at 54	min	ASTM D 1401	<20	<20	<20	<20	<20	<20
Rust resistance, A and B		ASTM D 665	Pasa	Pasa	Pasa	Pasa	Pasa	Pasa
Aeromulsion at 50°C	min	ASTM D 3427	1	1	1,5	2,4	3,6	6
FZG, load step		DIN 51354	-	-	12	12	12	12
TAN	mg KOH/g	ASTM D 664	0,38	0,38	0,38	0,38	0,38	0,38
RPVOT	min	ASTM D 2272	400	400	400	400	400	400
Freezing point	°C	ASTM D 97	-27	-27	-24	-24	-24	-21