Avalon

Anti-Wear Hydraulic Oil

Product Description:

Veedol Avalon is a range of superior quality anti-wear hydraulic oils that are meant for most industrial applications working under moderate operating conditions.

Formulated with proven anti-wear, rust and oxidation inhibitor technology, they provide very good protection to the hydraulic components while inhibiting rust and oxidation thus improving system performance.

Performance Specifications:

Veedol Avalon meets & exceeds the performance requirements of

- IS: 10522-1983 (Reaffirmed 2004)
- DIN 51524 Part 1 HL
- Vickers V-104C Vane Pump Test

Features/Benefits:

- Very good resistance to oxidation helps filter blocking and valve sticking.
- Outstanding anti-wear protection helps extend hydraulic system component life and reduce maintenance cost.
- Good water and foaming resistance provide improved system efficiency.
- Excellent rust & corrosion protection prolongs component overhaul interval.

Application:

- Avalon 32 – 100 can be used in industrial hydraulic systems requiring mild anti-wear characteristics.
- Hydraulic systems with vane, gear, or piston pumps, hydraulic couplings.
- Avalon 150 and above are suitable for lubrication of gears and circulating systems where the manufacturer recommends such type of oils.
- Lubrication of machine tools, antifriction, and plain bearings.
- Mobile hydraulic equipment where this type of anti-wear hydraulic oil is recommended.

Typical Properties:

Parameters	Test Method	32	46	68	100
Density at 29.5ºC	ASTM D4052	0.850	0.854	0.870	0.882
Kinematic Viscosity @ 40°C, cSt	ASTM D445	32	46.66	68.5	98.9
Kinematic Viscosity @ 100°C, cSt	ASTM D445	5.35	6.88	8.74	11.03
Viscosity Index	ASTM D2270	99	102	99	95
Flash Point (COC), °C	ASTMD92	224	230	242	246
Pour Point, °C	ASTM D97	-18	-18	-18	-9
Copper Corrosion at 100°C, 3 hours	ASTM D130	1a	1a	1a	1a
Foaming Tendency/ Stability Sequence I, mL/mL Sequence II, mL/mL Sequence III, mL/mL	ASTM D892	 0/0 10/0 0/0	 0/0 10/0 0/0	 0/0 10/0 0/0	 0/0 10/0 0/0
Rust Test	ASTM D665	Pass	Pass	Pass	Pass
FZG (A/8.3/90), Load stage	DIN 51354-2	10 pass	10 pass	10 pass	10 pass
TOST Life, Time to 2.0 TAN, hours	ASTM D943	>2000	>2000	>2000	>2000

Parameters	Test Method	150	220	320	480
Density at 29.5ºC	ASTM D4052	0.884	0.890	0.894	0.897
Kinematic Viscosity @ 40°C, cSt	ASTM D445	151.5	222.4	321.1	461.7
Kinematic Viscosity @ 100°C, cSt	ASTM D445	14.65	18.90	24.10	30.51
Viscosity Index	ASTM D2270	95	95	95	95
Flash Point (COC), °C	ASTMD92	250	250	256	264
Pour Point, °C	ASTM D97	-9	-6	-6	-6
Copper Corrosion at 100°C, 3 hours	ASTM D130	1a	1a	1a	1a
Foaming Tendency/ Stability Sequence I, mL/mL Sequence II, mL/mL Sequence III, mL/mL	ASTM D892	 0/0 0/0 0/0	 0/0 0/0 0/0	 0/0 0/0 0/0	 0/0 0/0 0/0
Rust Test	ASTM D665	Pass	Passes	Passes	Passes
FZG (A/8.3/90), Load stage	DIN 51354-2	10 pass	-	-	-
TOST Life, Time to 2.0 TAN, hours	ASTM D943	>2000	-	-	-

The above typical properties are those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.

STORAGE
All packages should be stored under cover. It should not be exposed to direct sunlight, intense cold and extreme temperature fluctuations. Where outside storage is unavoidable, drums should be laid horizontally or properly covered to avoid the possible ingress of water and damage to drum markings.

HEALTH, SAFETY AND ENVIRONMENT
The informtion on this product is available in the Material Safety Data Sheet (MSDS) as a guide to the precautions and safe handling of this product and its disposal. For further information, we recommend you review the MSDS. If handled correctly, there are no special precautions suggested.

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