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POWER UP

WWW.POWERUP.COM.MY

Certificate No. 601224

Power Up Hydraulic Oil AWS

Product Description:

Power Up Hydraulic AWs offer state of the art formulations that produce a line of universal anti-wear long life hydraulic oils having all the wear preventive characteristics required for the most severe of applications, including high pressure vane pumps. It is formulated with ashless and zinc free additive package that make it suitable for pump containing steel-on-bronze lubrication surfaces and silver plate. The AWS offeres additional additive for higher thermal protection and prevent oxidation, this allows prolonged life of the oil while maintaining its original texture.

Applications / Benefits:

1. Highly resistant to oxidation that would result in sludge formation.
2. Resists foaming and aeration that could result in erratic equipment operation and increased oxidation.

Typical Characteristics:

Test Description	Method						
ISO Viscosity Grade	-	**22**	**32**	**46**	**68**	**100**	**150**
Specific Gravity @ 15 °C	ASTM D 4052	0.854	0.865	0.878	0.884	0.888	0.893
Flash Point, °C	ASTM D 92	210	212	222	225	230	238
Pour Point , °C	ASTM D 97	-33	-33	-30	-27	-24	-21
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	22.1	32.0	46.3	66.2	100	148
cSt @ 100°C	ASTM D 445	4.45	5.4	6.8	8.6	11.2	14.5
Viscosity Index	ASTM D 2270	112	102	100	100	97	96
Color	ASTM D 1500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.5

Specifications, Approvals & Recommendations:

- Denison HF-0, HF-1, and HF-2
- Jeffry No. 87,
- Ford M-61C13227 13,
- U.S Steel 127, 136
- Cincinnati Machine P- 68 (ISO 32)
- Cincinnati Machine P- 70 (ISO 46)
- Cincinnati Machine P- 69 (ISO 68)
- DIN 51524, Part 2
- Bosch, variable vane pumps
- Vickers M-2590-S
- Vickers I-286-S
- Lee Norse 100-1
- General Motor LH-04-1
- General Motor LH-06-1
- General Motor LH-15-1
- B.F. Goodrich
- Sauer Danfoss
- Rexroth