

Platinum Hydro

AW Hydraulic Oil

DESCRIPTION

Platinum Hydro is a high performance anti-wear hydraulic oil engineered for wide temperature range application, controlled low temperature properties, also provide maximize anti wear protection for high pressure vane, piston and gear pumps. These High quality hydraulic oil formulated with high quality mineral base oils and highly chemical based additives which have all the required properties for use in the field of industrial hydraulics and fluid power lubrication.

APPLICATION

- Industrial hydraulic systems.
- Marine hydraulic systems.
- Mobile hydraulic fluid power transmission systems.

BENEFITS

- Excellent thermal stability.
- Superior oxidation resistance and hydraulic stability.
- Outstanding anti-wear, anti-foam and air release properties.
- Low friction and good water separation properties.
- Superior filterability and hydraulic stability.
- All-round versatility in industrial hydraulic applications.

PERFORMANCE

CINCINNATI (CM) P68/P70/P69

DENISON HF-0/HF-1/HF-2

VICKERS I-286-S, M-2950-S

Specifications

Test Parameter	Units	Test Limits				Test Method
ISO VG		22	32	37	46	
Appearance	-	C&B	C&B	C&B	C&B	Visual
Density @ 15°C	g/cm ³	0.860	0.870	0.870	0.880	ASTM D-4052
Viscosity @ 40°C	mm ² /s	21.5	30.5	36.4	46.5	ASTM D-445
Viscosity @ 100°C	mm ² /s	4.5	5.4	6.1	6.7	ASTM D-445
Viscosity Index	-	98	98	98	98	ASTM D- 2270
Flash Point (COC)	°C	216	228	234	236	ASTM D-92
Pour Point	°C	-27	-27	-24	-21	ASTM D-97
Foaming Test						
Seq I	ml	20/0	20/0	20/0	20/0	ASTM D-892
Seq II	ml	20/0	20/0	20/0	20/0	
Seq III	ml	20/0	20/0	20/0	20/0	
Water Seperability to 3 ml Emulsion	min	15	15	20	20	ASTM D-1401
Air Release	min	4	4	5	5	ASTM D-3427

Test Parameter	Units	Test Limits			Test Method
ISO VG		68	100	150	
Appearance	-	C&B	C&B	C&B	Visual
Density @ 15°C	g/cm ³	0.880	0.889	0.890	ASTM D-4052
Viscosity @ 40°C	mm ² /s	68.7	94.5	149.4	ASTM D-445
Viscosity @ 100°C	mm ² /s	8.5	10.9	14.3	ASTM D-445
Viscosity Index	-	98	95	95	ASTM D- 2270
Flash Point (COC)	°C	248	256	260	ASTM D-92
Pour Point	°C	-21	-18	-15	ASTM D-97
Foaming Test					
Seq I	ml	20/0	20/0	20/0	ASTM D-892
Seq II	ml	20/0	20/0	20/0	
Seq III	ml	20/0	20/0	20/0	
Water Seperability to 3 ml Emulsion	Min	30	30	35	ASTM D-1401
Air Release	Min	5	6	7	ASTM D-3427