



LUBRITA G2 HLP Series **(Premium Grade Hydraulic oil-HLP Specs)**

DESCRIPTION

Lubrita G2 HLP series hydraulic oils are Premium hydraulic oils blended from highly refined base stocks taken from superior crude stocks and processed in state of the art refining technology so that it is specifically developed to satisfy the wide temperature variations and viscosity range encountered with modern hydraulic systems where there is high pressure and high operating temperatures, small reservoirs and meet the requirements of the world's leading hydraulic equipment manufacturers. Lubrita G2 HLP oils are having outstanding VI, Anti Wear properties, excellent oxidation stability and high load carrying capacity as determined by FZG ratings.

These oils can be used for the lubrication of all-high pressure and high-speed vane, piston and gear type hydraulic pumps, and for use in all hydraulic equipment's operating in extreme temperature conditions.

FEATURES & BENEFITS

Equipment Life	Excellent fluid quality reserve to maintain its performance features even under severe service conditions and extended drain intervals.
Thermal Stability	A naturally high viscosity index. This results in a minimum change in viscosity that helps prevent excessive leakage, sluggish operation and lower overall efficiency and other deficiencies attributed to low viscosity index oils over wide operating temperature ranges.
Extended life	Excellent operating temperature reduction. 100% paraffin base oils have better specific heat values, (less heat is absorbed) and better thermal conductivity that conventional base oils. These combined properties help reduce operating temperatures.
Shear Stable	Film between the moving parts does not break under heavy pressure and temperatures thus avoiding metal to metal contact and increases the life of equipment
High Cleanliness	High cleanliness properties leads to non sticking of low clearance critical moving parts like servo valves and reduce equipment downtime and increases filter life
Air Release	Excellent anti-foaming and air release properties.
Demulsibility	High demusibility properties separate the water and helps in protecting parts from rust due to presence of water in the system.
Seal Compatibility	Oil is compatible to most of the rubber seals present in the equipment
Filterability	Oil can be filtered with any type of external filtration system
Low Volatility	This result in lower makeup requirements due to evaporation loss and less deposit formation.

PERFORMANCE LEVELS

Vickers I-286-S, M-2950-S
Denison HF-1, HF-2, HF-0
Cincinnati Milacron P-68, P-69, P-70
IS 11656-1986- RA 2002
DIN 51524 Part 2
B.F. GOODRICH 0152
GENERAL MOTORS LH-04-1, LH-06-1, LH-15-1
US Steel 126, 127
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**KEY PROPERTIES:**

ISO Grade	22	32	46	68	100	150	220
Viscosity, mm ² /s @ 40°C	21.4	31.5	45.5	67.5	98.5	149	218
Viscosity, mm ² /s @ 100°C	5.1	6.2	8.0	9.7	11.7	15.9	20.1
Viscosity Index	117	118	120	122	124	126	126
Density @29.5 °C	.862	.865	.867	.869	.871	.872	.876
Flash Point, °C	190	210	220	226	240	250	260
Pour Point, °C	-36	-33	-33	-30	-21	-15	-12
FZG , 4 Square Load Support, DIN 51354, Fail stage	10	10	10	10	10	10	10
Demulsibility, minutes to 40/40/0	10	15	20	25	20	20	20
Rust Test 24 hrs	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Aniline Point °C	98	104	108	112	113	116	119
Copper Strip Corrosion, 3 hrs @ 100 °C	1B	1B	1B	1B	1B	1B	1B

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