

LUBRAX HYDRA HV

High performance hydraulic oil with high viscosity index and low pour point, developed especially for systems which operate under severe pressure and wide range of temperature. Available in ISO viscosity grades 15, 32, 46, 68 and 100.

HYDRA HV is an universal hydraulic oil recommended for marine hydraulic equipments and high pressure hydraulic systems like elevators, mining equipments, plastic molding and injection machines, presses and machine tools. The ISO viscosity grades 68 and 100 are particularly suitable for use in agricultural equipment that require a fluid with viscosity index equal to or greater than 150.

HYDRA HV is formulated with paraffinic base oils and special additives that confer him a high oxidation resistance, wear protection and resistance to foaming. It also has a guaranteed low temperature fluidity and high viscosity index, making it suitable for hydraulic systems subjected to large temperature variations in different climates. Its viscosity improver has a high shear stability, thus avoiding viscosity drops, even after severe working conditions.

HYDRA HV meets the stringent requirements of hydraulic equipment manufacturers, including Cincinnati Machine thermal stability tests, Denison filterability test and wear tests specified by Vickers and Denison. It also meets VDMA 24318 category HLP, DIN 51524 part 3 (HVL^P)⁽¹⁾ and ISO 6743/4 hydraulic fluid specifications.

The name **LUBRAX HYDRA HV** is the new designation of former **MARBRAX HV**.

Additives - corrosion inhibitor, antiwear, antifoam, antirust, antioxidant, pour point depressor and viscosity index improver.

TYPICAL ANALYSIS⁽²⁾

ISO GRADE	15	32	46	68	100
Density at 20/4°C	0,857	0,863	0,867	0,878	0,879
Flash point (COC) (°C)	190	220	235	245	250
Pour point (°C)	-51	-45	-39	-36	-30
Viscosity at 40°C (cSt)	14,7	32,7	45,0	68,0	100,0
Viscosity at 100°C (cSt)	3,73	6,40	7,97	10,9	13,9
Viscosity index	147	152	147	157	153
Total Acid Number (mgKOH/g)	0,41	0,41	0,41	0,41	0,41
Demulsibility (separation time) minutes					
at 54°C:	11	11	15	18	—
at 82°C:	—	—	—	—	13

(1) The ISO 4406 limits are guaranteed on demand, resulting in additional filtering costs.

(2) These values represent average results obtained during production and do not constitute a specification. Minor variations which do not affect product performance are expected to occur. Please consult our technical assistance for more detailed information.

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There is no need for extra additives. Dispose of used oils and packaging according to local regulations. Preserving the environment is everyone's responsibility.