

“Quality is never an accident. It is always the result of high intention, sincere effort, intelligent direction and skillful execution. It represents the wise choice of many alternatives.”

Dr. John Ellis
Founder, Valvoline

PIONEERING LUBRICATION TECHNOLOGY

- USED IN**
- AUTO COMPONENT AND ANCILLIARY UNITS
 - OEM
 - AEROSPACE INDUSTRIES
 - PLYWOOD INDUSTRY
 - PAPER MILLS
 - PHARMACEUTICAL INDUSTRIES
 - CONSTRUCTION AND MINING
 - CEMENT AND STEEL
 - GENERAL ENGINEERING



Valvoline Cummins Private Limited

3rd Floor, Vipul Plaza, Suncity, Sector-54, Gurgaon, Haryana-122003
Phone: 0124-4721300, Fax: 0124-4721200/300 | E-mail: marketing@valvolinecummins.com
Website: www.valvoline.com/en-india



© 2017 Valvoline |™ Trademark, Valvoline or its subsidiaries, registered in various countries.





VALVOLINE ANTI-WEAR HYDRAULIC OILS

Product	Kinematic Viscosity, cst @ 40 °C	Viscosity Index	Flash Point, COC	Pour Point °C	Rust Test D665, A&B, 24 Hours	Performance Benefits and Applications
AWH VG 32	32	95	220	-12	Pass	Performance Standards :- DIN 51524 PART 1 • Stable base oils • Antioxidant, anti-wear, anti-foam additives used • Fluid media for hydraulic systems • Suitable for high pressure gear and vane pumps
AWH VG 46	46	95	220	-12	Pass	• Circulation, splash, ring oiling systems of bearings • Gears for industrial machinery • Servo control valves • Air compressor applications
AWH VG 68	68	95	228	-12	Pass	• Outstanding anti-wear characteristics • Excellent foam resistance • Good protection against rust and corrosion

VALVOLINE HYDRAULIC OILS-HLP SERIES

Product	Kinematic Viscosity, cst @ 40 °C	Viscosity Index	Flash Point, COC	Pour Point °C	Rust Test D665, A&B, 24 Hours	Performance Benefits and Applications
HLP 32	32	105	214	-24	Pass	• DIN 51524 PART-2 • Denninson HF-0, HF-1, HF-2 • Eaton brochure 03-401-2010 • US steel 127 • MAG IAS P-68, P-69, P-70 • Suitable for high performance pumps
HLP 46	46	105	218	-24	Pass	• Excellent oxidation, demulsibility characteristics • Excellent rust and foam inhibitors • Excellent filterability • Excellent film strength • Minimum wear in pumps, rings, valves, pistons etc. • High demulsibility
HLP 68	68	95	232	-24	Pass	• High viscosity index • Suitable for electro hydraulic systems • Suitable for numerically controlled systems • Suitable for pumps • Suitable for circulation oiling systems • Suitable for enclosed gear boxes • Suitable for air compressors

VALVOLINE HYDRAULIC OILS-AW EHVI SERIES

Product	Kinematic Viscosity, cst @ 40 °C	Viscosity Index	Flash Point, COC	Pour Point °C	Rust Test D665, A&B, 24 Hours	Performance Benefits and Applications
AW EHVI 46	46	140	224	-33	Pass	• DIN 515524, PART -III • DENINSON HF 0, HF 1, HF 2 • Eaton Brochure 03-401-2010 • MAG IAS P-68, P-69, P-70 • Bosch Rexroth 90240 Basic Level Approval • US Steel 127 • Suitable for Extreme Temperature Variations
AW EHVI 68	68	140	210	-33	Pass	
AW EHVI 100	100	140	236	-33	Pass	

VALVOLINE HYDRAULIC OILS -SUPERCLEAN SERIES

Product	Kinematic Viscosity, cst @ 40 °C	Viscosity Index	Flash Point, COC	Pour Point °C	Rust Test D665, A&B, 24 Hours	Performance Benefits and Applications
HLP 32 Superclean	32	105	214	-24	Pass	*DIN 51524 , PART II *Dennison HF-0 ,HF 1, HF 2 *MAG IAS P-68, P-69, P-70 *US STEEL 127 * Bosch rexroth 90240 basic level approval *Confirms to NAS 6 cleanliness levels of NAS 1638 (NAS level measured at filling nozzles) *Specially filtered to minimize particle contamination to meet NAS 6 *Trouble free function of servo valves *Excellent filterability, oxidation, demulsibility characteristics *High FZG ratings (10) *Electrohydraulic, numerically controlled systems *Pump & circulation systems, enclosed gear boxes
HLP 46 Superclean	46	105	218	-24	Pass	
HLP 68 Superclean	68	95	232	-24	Pass	
CONFIRM TO NAS 6 CLEANLINESS LEVEL OF NAS 1638						

VALVOLINE HEAT TREATMENT OILS (QUENCHING OILS)

Product	Flash Point (°C)	Viscosity, cst at 40 °C	Temp Range (°C)	GM Quenchemeter Reading, Seconds	Applications and Properties
QUENCH 42 (Straight Mineral Oil, Grade Medium)	210	30	50-65	23.6	*Recommended for all normal quenching operations on steel *Suitable for hardening of nuts, bolts and bearings *Meets IS:2664-1980 (Reaffirmed 1993), straight mineral type, grade medium *Suitable for marquenching of finished products high precision and quality *Suitable for automotive gears, transmission component, tools and dies
QUENCH M 85 (Marquenching Oil)	230	147	90-120	30.6	



VALVOLINE WATER BASED SOLUBLE CUTTING OIL

Product	Appearance	PH	Recommended Concentration	Foaming Test	Metals	Applications and Properties
Soluble Cutting Oil	Clear and Bright	9.3	4% to 10%	Pass	Ferros and Non Ferros	Milling, drilling, turning, sawing, tapping, reaming, band saw etc. Meets IS 1115:1986
Soluble Cutting Oil Super	Amber Colored Liquid	9.3	4% to 10%	Pass	Ferros and Non Ferros	Free from nitrites, phenols, active sulfur and phenols

VALVOLINE SLIDEWAY LUBRICANTS

Product	Kinematic Viscosity, cst @ 40 °C	Viscosity Index (Min)	Flash Point, COC °C, Min	ISO VG	Pack Sizes (Litres)	Applications and Benefits
Waylube 68	68	105	210	68	210	<ul style="list-style-type: none"> Stable, high quality oils Adhesive, tacky & resist stick-slip Extreme pressure film strength properties
Waylube 220	220	99	240	220	210	<ul style="list-style-type: none"> Useful in grinders, planners, milling MACHINES Equipments having slow moving parts

VALVOLINE XLD PLUS 10 W

Product	Kinematic Viscosity, cst @ 100 °C	Viscosity Index (Min)	Flash Point, COC °C, Min	TBN, Mg KOH/gm	Pack Sizes (Litres)	Applications and Benefits
XLD Plus 10 W	6.4	105	210	7	210	<ul style="list-style-type: none"> Naturally aspirated and turbocharged heavy-duty (hyphenated) diesel engines Used in Heavy Vehicles, earthmoving equipments under low ambient temperatures Hydraulic fluid Type C2 Specifications US Military MIL-L-45199B API CD

VALVOLINE HEAT TRANSFER FLUIDS

Product	Kinematic Viscosity, cst @ 40 °C	Viscosity Index (Min)	Flash Point, COC °C, Min	Pour Point, °C; Max C	IBP, °C/Bulk Temperature, °C/Skin Temperature, °C	Applications and Benefits (Heat transfer oil for indirect heating in industrial applications)
THERMOMEDIUM	30	95	210	-6	340/300/330	<ul style="list-style-type: none"> Mineral based heat transfer oil Good thermal and oxidation stability Low volatility, low vapor pressure Long life Easy start ups of heat transfer systems Maintains pumpable viscosity even at low temperatures High specific heat and thermal conductivity => rapid heating Suitable for both OPEN and CLOSED heat transfer systems Bulk oil temperature should NOT exceed 320 °C Low viscosity => reduced power consumption
THERMOSYNTH	18.4		190	-39	340/310/340	<ul style="list-style-type: none"> Synthetic thermic fluid Operating temperature range of -15 °C to 305 °C (Max 310 °C) No carbon residues as it does not crack at higher temperatures Does not corrode to metallic materials Low volatility => low lil consumption Low pour point => good pumpability at low temperatures Expected 50% more life over mineral oil based thermic fluids Compatible with mineral oil based heat transfer fluids Prevents vapour lock and cavitation at pump Minimizes loss in open system and eliminates high pressure piping

VALVOLINE AGMA EP GEAR OILS (68/150/220/320/460)

Product	Kinematic Viscosity, cst @ 40 °C	Viscosity Index (Min)	Flash Point, COC °C, Min	Pour Point °C MAX	FZG Test, asa Stages	Applications and Benefits (Lead free extreme pressure type gear lubricants)
AGMA EP 150	150	97	240	-9	12	<ul style="list-style-type: none"> DIN 51517 Part 3, AGMA 9005-E02 (EP), AISE 224 Contains special sulfur-phosphorus compounds Excellent anti-wear and extreme pressure properties
AGMA EP 220	220	95	238	-6	12	<ul style="list-style-type: none"> Excellent high temperature stability Good water separation characteristics High temperature oil film thickness, shear stability and lubricity
AGMA EP 320	320	97	240	-6	12	<ul style="list-style-type: none"> Good rust and corrosion control to ferros and non ferros metals Reduced tendency of foam
AGMA EP 460	460	96	246	-6	12	<ul style="list-style-type: none"> Recommended for oil lubricated flexible couplings, heavy loaded bearings and chains



VALVOLINE DRIVE TRAIN TRANSMISSION OILS (C4 10 W/SAE 30)

Product	Kinematic Viscosity, cst @ 40 °C	Viscosity Index (Min)	Flash Point, COC °C, Min	Pour Point, °C	Applications and Benefits (C4 Heavy duty requirements of automatic and power shift transmission fluids)
Valvoline Drive Train Transmission Oil C4 SAE 10W	37.23	114	-9	-30	<ul style="list-style-type: none"> Blended from hydrocracked base stocks Excellent oxidation stability, anti-wear, anti-rust and anti-foam characteristics Meets non asbestos clutch friction tests and fluoroelastomer seal compatibility
Valvoline Drive Train Transmission Oil C4 SAE 30	30	101	-9	-9	Performance Standards :- C4 of Detroit diesel Allison division of GM, USA recommended for use in all commercial power shift transmission and automatic transmission for on-highway and off-highway services. Equipments :- Dumpers, Scrappers, Crawler tractors, Excavators, Showel, Loaders etc.

VALVOLINE SPINDLE OIL

Product	Kinematic Viscosity, cst @ 40 °C	Specific Gravity at 29.5 °C	Viscosity Index	Flash Point, °C	Pour Point, °C	Applications and Properties
Spindle Oil 12	11.66	0.853	97	150	-15	<ul style="list-style-type: none"> Superior lubrication for use in high speed textile and machine tools spindle bearings Excellent load carrying capacity, maintains normal operating temperature

VALVOLINE ROCK DRILL OIL

Product	Kinematic Viscosity, cst @ 40 °C	Rust Test (D-665, A&B, 24 hrs)	Viscosity Index	Flash Point, °C	Pour Point, °C	Applications and Properties
ROCK DRILL 100	98.78	Pass	105	230	-15	Used for Reciprocating and rotary pneumatic tools good load bearing and adhesiveness characteristics Application :- Rock Drills, Jackhammers, Riveters, Chippers, Pavements Breakers, Hoists Grinders, Filing Tools, Drills, Tappers, Screw Drivers, Impact Wrencher etc.

VALVOLINE REFRIGERATION OILS

Product	Kinematic Viscosity, cst @ 40 °C	ISO VG	Flash Point, COC °C, Min	Pour Point, °C	Performance Benefits and Applications
Valvoline Freeze 68	68	68	212	-36	<ul style="list-style-type: none"> Recommended for wide range of compressors It can be used in conventional refrigerants (Except sulfur dioxide) Suitable for both rotary and reciprocating compressors High fluidity at low temperatures Ensures higher condenser efficiency Good oxidation and thermal stability Low pour point

VALVOLINE GEAR OILS

Product	Kinematic Viscosity, cst @ 40 °C	Kinematic Viscosity, cst @ 100 °C	Viscosity Index	Flash Point, COC °C	Pour Point (°C) Max	Performance Benefits and Applications
Gear Gard EP 90	210	18.2	95	238	-12	Performance Standards :- API GL-4, MIL-L-2105, IS 1118:1992 <ul style="list-style-type: none"> Sulfur-phosphorous based extreme pressure heavy duty gear oil Hypoid, spiral bevel gears, worm gears where active GL-4 performance oils are required Cars/Buses/Trucks/Tractors etc.
Gear Gard EP 140	417.5	28.64	96	242	-9	Performance Standards :- API GL-4, MIL-L-2105, IS 1118:1992 <ul style="list-style-type: none"> Sulphur-phosphorous based extreme pressure heavy duty gear oil Hypoid, spiral bevel gears, worm gears where active GL-4 performance oils are required. Recommended for hypoid gear differentials, mechanical transmissions and drive axles of buses, trucks etc.
Transfluid M	102	9.1	102	210	-24	Performance Standards :- API GL-4, MIL-L-2105, IS 1118:1992 <ul style="list-style-type: none"> SAE 80 W oil for manual transmission and heavy loaded gear systems Active EP type gear oil Suitable for synchromesh gear boxes of Tata & other commercial vehicles
Gear Gard EP 80W90	155.2	15.9	100	220	-27	Performance Standards :- API GL-4, MIL-L-2105, IS 1118:1992 <ul style="list-style-type: none"> Suitable for hypoid, spiral bevel gears, worm gear transmission of cars, buses, trucks etc. Sulphur-phosphorous based extreme pressure heavy duty gear oil Manual transmission and heavy loaded gear systems
Gear Gard Super 85W140		27.2	96	220	-12	Performance Standards :- API GL-5, MIL-L-2105 D sulfur-phosphorus based EP, heavy duty, multi grade gear oil Applications :- Rear axles and front live axles of all heavy duty commercial vehicles
Gear Gard Super EP 90		18.98	97	210	-27	Performance Standards :- API GL-5, US military MIL-L-2105 D sulfur-phosphorus based extreme EP gear lubricants Applications :- Rear axles, limited slip rear axles and transmissions of vehicles requiring EP gear oils with GL-5 performance level.
Gear Gard Super EP 140		28.5	95	218	-12	Performance Levels :- API GL-5, US military MIL-L-2105 D Applications :- Rear axles, limited slip rear axles and transmissions of vehicles requiring EP gear oils with GL-5 performance level. Fleets operating under high speed, high torque, high load & high horse power conditions
TASA Fluid		7.82	155	200	-36	Performance Standards :- General motors type a suffix a Applications :- Automatic transmission and power steering (red in Color)
Unitrac FR 3		10.8	99	204	-21	Multipurpose all weather fluids designed to be used in Engines/Transmission and hydraulic systems for most type of agricultural tractors and farm equipments including those OIB (Oil Immersed Brakes). Suitable for wet brake applications reduces wet brake and power take off chatter (PTO).
TRANSFLUID II D		7.82	181	210	-39	Performance Standards :- General Motors DEXRON IID, Allison C4 Automatic gear boxes Couplers and converters Power steering
TRANSFLUID III	38	8.8	165	200		Performance Standards :- DEXRON III (H), MERCON, ALLISON C-4, CATERPILLAR TO-2 Powershift transmissions Torque converters Hydrostatic transmissions (wherever automatic transmission fluids ATF is required)