

# ACEITES HIDRAULICOS

HYDRAULIC AND CIRCULATING OILS		CHEMISTRY				Application Notes
Product name	Description	Base oil	Additives	ISO VG (Viscosity @ 40°C)	VI	
<b>Mineral</b>						
<b>Hyspin VG</b>	Rust and Oxidation inhibited hydraulic & circulating oils	Mineral	R&O	32 - 220	> 95	Used in turbines, centrifugal compressors, spindles and other apps not requiring antiwear additives.
<b>grado alimenticio.</b>	Antiwear hydraulic & circulating oils	Mineral	AW	15 - 150	> 95	Oils for use in all types of hydraulic and circulating systems.
<b>Hyspin ZZ</b>	Zinc-free antiwear hydraulic oils	Mineral	AW	32 - 68	> 95	Oils for use in all types of hydraulic and circulating systems where non-zinc is preferred.
<b>Hyspin AWH-M</b>	High VI antiwear hydraulic oils	Mineral	AW	15, 32-150	130-150	Systems requiring high viscosity index fluids. Cold and/or wide temperature systems.
<b>Hyspin HVI</b>	High VI antiwear hydraulic oil, zinc-free	Mineral	AW	15, 32, 46	> 150	High VI, non-zinc AW hydraulic oil.
<b>Hyspin Spindle Oils</b>	Rust and Oxidation inhibited spindle oils	Mineral	R&O	2,10, 22	105	Spindle oils for systems that do not require AW additives, which is most.
<b>Hyspin Spindle HS</b>	Antiwear spindle oil, very light viscosity	Mineral	AW	2	95-100	Spindle oil for systems that require very light viscosity and AW additives, such as Makino.
<b>Magna XX</b>	Mineral circulating oil designed for steel mill backup bearings (Morgoil)	Mineral	AW	460, 680	90-97	Excellent demulsibility. Meets or exceed Morgoil specifications for mill backup bearings. May also be used in gearboxes with water contamination problems.
<b>Tribol 943 AW</b>	High performance hydraulic, compressor, circulating oil	Group 2 Mineral	AW	22 - 100	100-103	Extremely long life, non-zinc oil for all systems especially servo and proportional valves.
<b>Fire-Resistant</b>						
<b>Anvol SWX FM</b>	FM Approved polyol ester fire-resistant hydraulic oil, biodegradable	Polyol Ester	AW	46,68	180	Excellent oxidation stability and filterability. Provides longer oil & equipment life and lower maintenance over competition.
<b>Anvol WG 46</b>	Water glycol fire-resistant hydraulic fluid	Water Glycol	AW	46	> 200	Used in vane, gear or piston pumps up to 3000psi. See full PDS for seal, metal and filter compatibility.
<b>Environmentally Responsible</b>						
<b>Performance Biolubes BioHydraulic</b>	Plant-based hydraulic oils	Plant Based	AW	32, 46	190	Excellent compatibility with other Performance Biolubes fluids.
<b>Carelube HES</b>	Biodegradable hydraulic and spindle oils	Synthetic Ester	AW	15, 32, 46	185	Compatible with Castrol Carecut coolant chemistries. Fully biodegradable.
<b>Semi-Synthetic Paper Machine Oil</b>						
<b>Tribol 1740</b>	Paper machine circulating oil	Mineral / Ester	AW	220, 320	145	Designed for circulating systems of paper machines. Detergent to prevent carbon build-up.
<b>Air Line Lubricant</b>						
<b>Tribol ATO 100 LS ZF</b>	Air tool oil that emulsifies water	Mineral	AW, Moly	22	n/a	Reduces air equipment sticking and downtime, especially in humid summer months.
<b>Food Grade</b>						
<b>Tribol 878/150</b>	H1 food grade hydraulic and circulating oil.	White Oil	AW	150	95	For use where incidental contact with food is possible.
<b>Non-Core</b>						
<b>CW 851 D</b>	Very high VI, low pour point circulating oil. Red color.	Mineral	AW, EP	32	314	Naphthenic base oil to provide low pour point. Used only at Dorma Door in industrial garage doors.
<b>Hyspin XP 46</b>	Hydraulic oil meeting Mueller Weingarten EP spec.	Mineral	EP	46	100	Passes Brugger test spec established by Mueller Weingarten for their press hydraulic systems.
<b>Magna 22</b>	ISO 22 paraffinic base oil	Mineral	None	22	95	ISO 22 base oil with no additives
<b>Magna 46</b>	ISO 46 paraffinic base oil	Mineral	None	46	95	ISO 46 base oil with no additives
<b>Magna 68 N</b>	ISO 68 paraffinic base oil	Mineral	None	68	95	ISO 68 base oil with no additives
<b>Tribol 40 LS</b>	General purpose oil with good detergency	Mineral	EP, Moly	220		Naphthenic base oil provides low pour point for cold weather & high detergency for high temp apps.

