HYDO HV

HIGH PERFORMANCE HYDRAULIC OIL

HIGH VISCOSITAS INDEX HYDRAULIC OIL

HYDO HV range of high-performance mineral-base hydraulic oils possessing a Viscosity Index (VI) of 125-150.
They do not contain zinc-based anti-wear additives, which have proved to be susceptible to water-contamination and the consequent formation of precipitates that block fine filters.
Thus the **HYDO HV** oils combine high lubrication performance with outstanding high filterability.
They also have excellent anti-wear properties and multi-metal compatibility.

- ♦ Rexnord-Racine vane pumps. Mannesmann Rexroth Hydromatik piston pumps.
- ♦ DIN 51 524 specification.
- ♦ Sperry-Vickers 1-286-S and M-2950-S specifications.
- ♦ Approved for Frank Mohn (Framo) marine cargo-handling systems.
- ♦ Poclain (France) have also expressed satisfaction with Bartran HV fluids. tibility.
- ♦ Sigma-Rexroth gear pumps.
- ♦ Lucas axial-piston pumps.

- ¤ Reduced risk of breakdown due to over-loading of hydraulic systems.
- ¤ Potential cost-savings from maintenance.
- ¤ Full utilization of the new 'same-size' higher efficiency hydraulic equipment.
- ¤ Improved surface finish in modern machine tools filterability and sensitivity of movement required by hydraulic systems with smaller clearances, electronic controls and very fine filters.
- ¤ Potential energy savings where, because of the excellent wear-protection
- ¤ Compatible with all metals used in hydraulic systems, including silver, copper and bronze.

GRADE	Test Method	Units	HYDO HV									
			10	15	22	32	46	68	100	150	220	320
Density @ 15°C	ASTM D1298	kg/l	0.86	0,865	0.87	0.87	0.87	0.88	0.89	0.89	0.89	0.9
Flash Point	ASTM D92	°C	220	219	220	230	230	235	240	267	270	270
Kin Viscosity @ 40°C	ASTM D445	cSt	9.4	14.7	23	33	45.9	69	100	159	223	325
Kin Viscosity @ 100°C	ASTM D445	cSt	2.5	3.32	4.19	5.4	6.9	10	13	16	21	28
Viscosity Index	ASTM D2270		126	132	134	134	136	140	140	135	125	127
Pour Point	ASTM D97	°C	-45	-33	-33	-30	-30	-30	-24	-24	-24	-24
4-Ball Welding Load		Kg		180/200					200/220			
Neutralization Value	ASTM D664	mgKOH/g						0.1				

The above figures are typical of those obtained with normal production tolerances and do not constitute a specification.