SELCO SF - 315

WATER GLYCOL FIRE RESISTANT HYDRAULIC FLUID

SELCO HYDROLUBES SF - 315 is fire-resistant, water glycol (HF-C) based hydraulic fluids. Their use as replacement for mineral oil fluids is recommended whenever a major fire hazard exists associated with industrial systems.

RECOMMENDED USAGE :

SF-315 is primarily recommended in die casting machines, hydraulic forging presses and hammers, machines and drive systems in the mining industry and robot welding machines. Selco Hydraulic SF-315, with a typical water content of 36% is particularly designed for use in the metallurgical industry, where its excellent lubricity characteristics are beneficial in the heaviest operations (for e.g. in die or continuous casting). Selco Hydrolube SF-316, with a typical water content of 43%, is particularly recommended for use in coal mining, where the higher water content provides an extra safety margin. SF-316, with a water content of 43% fully meets the requirement of the fifth Luxembourg report for coal mine service.

PROVEN BENEFITS :

Superior fire resistance, excellent anti-wear performance, low order of toxicity, compatible with standard packings and seals, low pour points, shear stability and good viscosity indices.

TYPICAL PROPERTIES :

TEST		**SF-315**		**SF-316**
Specific gravity at 20/20 °C	1.083		1.076	
Pour point (5th Lux. Report) C		-40		-47
Viscosity at : 40 °C		46 °C		46 °C
pH at 25 C		9.60		9.60
Corrosion protection (5th Lux Report)		Pass		Pass
4 Ball result (5th Lux Report)		0.74		0.74
Vickers vane pump test mg. wear after 250 hrs.				
105 bar/50 C total wear (vanes & ring)		<100		<200
Foam tendency (5th Lux Report)				
volume of foam, mls 25 C initial.		20		20
25 C after 10 mins.	0		0	
De-aeration time (5th Lux Report) minutes		20		20
Spray flammability test rating (5th Lux Report.Part III)		1		1
Flame propagation in a mixture of fluid and coal dust (mm)		-		79
Specific heat at 20 C KJ/Kgk.		3.2		3.3
Thermal conductivity at 20 CW/mk	0.1		0.1	
Vapour pressure at 20 ° C		2000		2000