



SPECIAL INDUSTRIAL OILS

Water/Glycol Fire Resistant Fluid - Transformer Oils Form Oils – Sugar Mill Lubes

(10/25/11 edition)

Value Tech Water/Glycol Fire Resistant Fluid is a fully formulated water/glycol hydraulic fluid which contains a special anti-wear package and other additives to prevent ferrous and non-ferrous metal corrosion. It will also provide vapor phase corrosion protection and reserve alkalinity. This is a premium water/glycol type of fire-resistant fluid designed to provide optimum performance in hydraulic systems. Value Tech Water/Glycol Fire Resistant Fluid is formulated to provide excellent service over a wide range of operating conditions. In addition to its excellent fire-resistant properties, this fluid contains additive chemistry which imparts antiwear properties, lubricity, corrosion protection, form inhibition, and overall performance demanded by today's high-performance hydraulic systems. This achieved through a diethylene-glycol based water mixture. Value Tech Water/Glycol Fire Resistant Fluid is suitable for use in most hydraulic applications and where the following are called for or referenced:

- Factory Mutual
- US Steel 171
- Vickers 104C Vane Pump Test, ASTM D 2882, result <50 mg total wear.
- Four Ball Wear, ASTM D 2266, < 0.7 mm.

Value Tech Transformer Oil is an insulating oil of very high dielectric strength, suited for transformers in both large sub-stations and small pole mounted transformers. It is also suited for circuit breakers, switches and other oil immersed electrical equipment. Value Tech Transformer Oil is suitable for applications where the following are called for or referenced:

- ASTM D 3487typeII(oxidation inhibited)
- Westinghouse PDS 55822AG
- Does not contain PCB's

Value Tech Form Oil is a multipurpose mold release oil primarily used to ease the release of concrete mold materials. This oil contains special mold release agents to enhance the separation, release, and clean up of metal, wood, plastics or other types of forms. Value Tech Form Oil is a low viscosity formulation which is colorless, odorless, and may be sprayed without dilution. The benefits include the following: excellent release characteristics from the poured material; reduces buildup on forms; is non-staining; and is easy to apply in all types of weather temperatures.

Value Tech Sugarmill Lubricant was developed to lubricate the large, wet, slow moving gears of cane crushers used in the sugar industry. This is a very wet environment where the gears are constantly sprayed with water to remove dust and fly material from the open gear teeth. This lubricant maintains high film strength and tenacious coating on the gears to minimize wear under the severe loads and shock loading encountered in this type of operation. These lubricants are designed for use on heavily loaded, slow speed gears, journal bearings, and couplings and was developed for use in heavily loaded journal bearings in sugar mills. They have been proven to perform equally well in ball and grinding mill girth gears and similar applications. These lubricants are tenacious, high viscosity, extreme pressure lubricants. The best performance is exemplified by reliability because the high film strength withstands heavy shock loads and provides protection under boundary lubrication to minimize wear and prevent failure under heavy loads. Timken OK load assure low wear rate even under high load conditions. Outstanding water resistance reduces water washout when operating in wet conditions, and they perform well in either a wet or dry environments.

Value Tech Premium Bar and Chain Oil is made from special base oils and engineered to improve lubrication, rust protection, anti-wear characteristics and oxidation resistance over a wide range of temperatures. This product contains special anti-wear and tackiness agents to improve chain and bar life and control oil "sling". It is recommended for use in all chain saws using either hand-operated or automatic chain-oilers to lubricate the chain, bar and sprocket.

TYPICAL INSPECTION DATA

Fire Resistant Fluid

	SUS	Specific Gravity	Fire Resistance	Viscosity cSt@40C	Pour Point, C.
Water/Glycol Fire Resistant Hydraulic Fluid	200	1.08	Pass	46	-30

Transformer Oil

	API Gravity	Viscosity cSt @40C	Dielectric Strength, KV	Neutralization Number, D-974	Flash Point, °C.	Pour Point, °C.
Transformer Oil	29.6	8.9	35,000	0.01	150	-40

Form Oil

	ISO grade	API Gravity	Flash Point C.	Viscosity cSt@40C	Pour Point, C.
Form Oil	15	34.0	190	15	-12

Sugar Mill Lube

	API Gravity	ASTM Color	Viscosity cSt @40C	Timken Test, Lbs	Rust Prevention	Flash Point, °C.	Pour Point, °C.
Sugar Mill 4300	29.6	D8	4300	45	Pass	250	+10

Premium Bar and Chain Oil

	SAE grade	API Gravity	Flash Point C.	Viscosity cSt@40C	Pour Point, C.	Tack Agent
Bar & Chain	30	28.0	230	14.5	-12	Positive