



SF OPEN GEAR EXTREME

◆ PERFORMS WHEN OTHERS FAIL

SF OPEN GEAR EXTREME takes the already successful Special SF Open Gear to a new performance level, as it is the first open gear lubricant manufactured by TRC to be formulated with synthetic base oils. This allows the lubricant, while having a thickness consistency of NLGI #00, to be applied through automatic lubrication spray systems at EXTREME temperatures down to 18°F without a drum heater needed. This makes for a safer, hassle-free operation. Its EXTREME temperature pumpability sets SF OPEN GEAR EXTREME apart from others in the industry, as it provides incredible film strength in extreme weather conditions, such as winter operations in draglines and kilns, without sacrificing summer operation integrity. SF OPEN GEAR EXTREME is fortified with EP additives that allow for a sufficient film of protection that resists rupturing under heavy shock loads. The lubricant is designed to flush away contaminants from pressure flanks while resisting excessive sling off.

◆ SOLVENT FREE

Many open gear lubricants are of asphaltic base to help make them “stick”. This type of lubricant depends on heavy amounts of solvent to allow it to be sprayed. This solvent could be a safety hazard in tight places, or near open heat sources, and will affect air quality. The “SF” stands for solvent free. SF OPEN GEAR EXTREME can be used in numerous places where other open gear lubes are not recommended. SF OPEN GEAR EXTREME is safer to use and more versatile than an asphaltic gear lube.

◆ SPRAY SYSTEM FRIENDLY

SF OPEN GEAR EXTREME is typically used in automatic lubricating systems where a mist of lubricant is sprayed periodically on the teeth of a large bull gear. The lubricant is then transferred to the pinion or other gears the bull gear contacts. Unlike a lubricant which depends on a solvent for its spray ability, SF OPEN GEAR EXTREME utilizes a special gel thickener to allow for consistent spray application without the negative side effects like plugging of lines or fouling of spray nozzles.



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◆ INCREASES PRODUCTIVITY

Most open gear lubes tend to sling off, either to the floor or on protective shrouds. Either situation calls for cleaning, and this usually means disruption of work and ensuring proper disposal. When correctly applied, SF OPEN GEAR EXTREME will not build up and sling off. Most customers see a significant reduction in the amount of lubricant needed to be applied. The thick, sticky stuff typically seen in the industry tends to dry and harden in the roots of the gear teeth. As this hardened lubricant accumulates, the synchronization of the teeth is disrupted, and the rhythm is thrown off. This misalignment can cause premature wear or far more stress to be added to other parts of the equipment. SF OPEN GEAR EXTREME results in an opaque/semi-transparent film on the gears. During routine inspections, the "clarity" allows for a more accurate strobe light test. If tape pull impressions are needed, SF OPEN GEAR EXTREME is easier to remove than thick asphaltic lubricants.

◆ COMMON INDUSTRIES

SF OPEN GEAR EXTREME would be common in industries where large bull gears turn smaller pinion gears. Such industries include, but are not limited to, abrasives manufacturing, glass and sand production, paint manufacturing, sugar beet processing, cement kilns, ceramics manufacturing, mineral mining (iron, copper, etc.), and coal fire power generation plants. Other industries using kilns, or large turntables may also be a candidate for the SF OPEN GEAR EXTREME.

SPECIFICATIONS

SF OPEN GEAR EXTREME

Product Code - 108271

Viscosity @ 100 C	665cSt
Viscosity @ 40 C	10,350cSt
Viscosity Index	250
Pour Point	+18 F/-7.8 C
Weight per gal.	7.4 lbs./gal.
Specific Gravity	0.89
Color	Blue
TEST RESULTS	
Timken Ok Load LBS ASTM D-2509	70 LBS
Rust Test, ASTM D-665 – 48 Hours Fresh Water	Pass
Rust Test, ASTM D-665 – 48 Hours Sea Water	Pass
Copper Corrosion	1 a

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