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DETERGENT LUBRICATING OIL

Description

Chesterton® 651 Detergent Lubricating Oil is the plant-wide product of choice for superior-quality, low-viscosity, industrial lubricating needs. It is a cost-effective oil with high detergency that cleans as it protects and dramatically prolongs the life of all types of equipment. The superactive formula results in maximum penetration and surface wetting into the tightest friction spots, providing longer-lasting protection against wear. As a result, costly breakdowns and shutdowns are avoided; the cost of maintenance and replacement parts reduced.

The lubricant does much more than reduce friction and wear. It quickly penetrates tight tolerances and removes old varnish deposits and buildup caused by conventional lubricants. 651 Detergent Lubricating Oil is so effective at getting rid of old lubricant residues that it is routinely used as a cleaning aid to wipe down parts and equipment and leave a protective, oily film.

This multi-purpose lubricant is used in any industry where the potential for friction and wear exists. It is ideal for thin film lubrication of moving equipment, machinery, electric motors, sensitive instruments, assembly lines, door hinges and other devices that require a lubricant with high detergency.

Composition

651 Detergent Lubricating Oil is specifically formulated to keep surfaces well lubricated yet free of the residue buildup so common among other petroleum-based products. It keeps surfaces clean in two ways.

- Its proprietary additive package ensures that dirt and other particles stay suspended and do not settle on or adhere to the surfaces of lubricated parts.
- Anti-oxidants reduce the potential for the formation of varnish and sludge that

Typical Physical Properties

ISO Viscosity	(ASTM D 2422, DIN 51 519)	22
Appearance		Amber, Liquid
Specific gravity 20°C (68°F)		0,9
Viscosity, cSt at 40°C (104°F)	(ASTM D 445, DIN 51 361)	22
Four Ball Wear Test 40 kg, 75°C (167°F), 1200 RPM, 1 HR scar diameter	(ASTM D 2266, DIN 51 350)	0,43 mm
Operating Temperature		-23°C to 150°C (-10°F to 300°F)
Pour Point	(ASTM D 97, DIN 51 3016)	-29°C (-20°F)
Flash Point	(ASTM D 93, DIN 51 755)	127°C (260°F)

causes costly shutdown and requires extra maintenance costs to clean the equipment.

These additives extend lubricating life and allow 651 Detergent Lubricating Oil to significantly outperform conventional petroleum-based lubricants.

Use 651 Detergent Lubricating Oil when a safe, economical, low-viscosity lubricant is desired. It not only frees sticking parts, it keeps them clean and properly lubricated.

Applications

651 Detergent Lubricating Oil is a high-quality, light-grade, multi-purpose lubricant for all types of plant equipment, electric motors and machinery as well as sensitive instruments like chronometers, amplifiers and tape recorders. It can be used plant-wide in machine shops, maintenance shops, instrument repair shops, boiler rooms and assembly lines, wherever a high-detergency lubricant is desired.*

* For chain drive applications, Chesterton® 601 Chain Drive, Pin and Bushing Lubricant also can be used.

It works exceptionally well in oil-lubricated pneumatic systems. The

primary reasons for failure in these systems are sticking pistons and worn seals. When 651 Detergent Lubricating Oil is used as a direct replacement for the standard hydraulic oil, reductions of up to 90% in typical pneumatic maintenance costs can be achieved. The increase in system uptime and reduction in rejected parts mean additional cost savings.

Features

- Cleans as it lubricates
- Will not build up
- Penetrates close tolerances
- Will not gum up delicate parts
- Ideal for high-speed industrial bearings
- Special additives for longer life
- NSF H2 - Registration number 133946 (bulk) and 133928 (aerosol)

Benefits

- Save production time
- Reduce maintenance costs
- Save the cost of replacement parts
- Prolong the life of machinery and parts
- Significantly reduce power consumption
- Safe to use; easy to use

Directions

651 Detergent Lubricating Oil can be applied from bulk containers or with the pinpoint aerosol spray.

When using the aerosol spray, apply evenly and allow just one minute for deep penetration. Apply only once to reach lubricant-starved areas. Its pinpoint spray puts the lubricant where it should be applied, without waste. Reapply later as needed.

651 Detergent Lubricating Oil in bulk containers can be used from existing lubrication systems or applied using any of the standard industrial techniques for applying a lightweight lubricant.

Safety

Before using this product, review the Material Safety Data Sheet (MSDS) or the appropriate safety sheet in your area.

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