MULTIFAK® EP
000, 00, 0, 1, 2

PRODUCT DESCRIPTION

Multifak® EP greases are multipurpose extreme pressure greases suitable for use in many industrial grease applications.

CUSTOMER BENEFITS

Multifak EP greases deliver value through:

- **Good water resistance** — Resistance to washout of bearings.
- **Good corrosion protection** — Inhibited to protect bearing surfaces.
- **Good oxidation stability** — Helps to support long life in storage and in use.
- **Simplified lubrication** — One grease designed to satisfy many different industrial grease requirements.
- **Low oil separation tendency** — Recommended for use in typical centralized lubrication systems.

FEATURES

Multifak EP greases are multipurpose extreme pressure greases suitable for use in many industrial grease applications.

Multifak EP greases are manufactured using selected highly refined medium viscosity index base oils, a lithium 12 hydroxystearate thickener, an extreme pressure additive, and rust and oxidation inhibitors.

Multifak EP greases have high load-carrying capacity and, therefore, provide good protection of lubricated parts against wear. They provide good lubrication in the presence of water, protect bearing surfaces against corrosion, and have excellent resistance to oxidation, which supports long life in storage and in use.

Multifak EP greases are work stable. They resist separation or throw out from antifriction bearings. They have low oil bleeding tendency under pressure and are pumpable at low temperatures.

APPLICATIONS

Multifak EP greases are suitable for use in typical centralized lubrication systems.

Multifak EP greases can satisfy a wide range of industrial and commercial grease applications.

Typical applications include:

- General Machinery - plain, antifriction, roller, and needle bearings
- Construction equipment
- Conveyors and run-out rolls
- Crusher, shaker, or classifier screen bearings
- Chassis lubrication
- Non-disc brake wheel bearings

Multifak EP greases are recommended for both plain and antifriction bearings and particularly for bearings subjected to shock loading. **NLGI grades 1** and **2** comply with Timken's recommendation for this service.

NLGI AUTOMOTIVE CHASIS LUBRICANT LB

Multifak EP 000 is a semifluid grease formulated to meet the lubrication requirements of machinery having enclosed gear cases where housings and seals have lost their ability to retain conventional gear oils.

Product(s) manufactured in the USA and Colombia.
Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

1 November 2023
GR-67

CLAIMS AND APPLICATIONS

NLGI Grade	000	00	0	1	2
Grob Lubricant Chart	**A**	**A**			**A**
NLGI LB				**A**	**A**
NSF H2[a]			**A**	**A**	**A**
Pekrun Werknorm N8053		**A**			**A**
SMS Group SN 180-1		**A**	**A**		**A**
Volvo 97718					**A**
Waldrich Siegen Lubricants for Machine Tools					**A**

a NLGI grades 0, 1 and 2 are registered by NSF and are acceptable as a lubricant where there is no possibility of food contact (H2) in and around food processing areas. The NSF Nonfood Compounds Registration Program is a continuation of the USDA product approval and listing program, which is based on meeting regulatory requirements of appropriate use, ingredient review and labeling verification.

A: Approved for

M: Meets or exceeds requirements

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TYPICAL TEST DATA

NLGI Grade	Test Method	000	00	0	1	2
Product Number		*274508*	*274509*	*274501*	*274502*	*274503*
SDS/MSDS Number *USA* *Colombia*		*38345* —	*23689* —	*23562* —	*23562* —	*23562* *34392*
Operating Temperature, °C(°F) Minimum[a] Maximum[b]		 -35(-31) 70(158)	 -35(-31) 77(170)	 -30(-22) 99(210)	 -20(-4) 125(257)	 -15(5) 127(260)
Penetration, at 25°C (77°F) Unworked Worked	 ASTM D217	 445 460	 415 415	 390 370	 305 325	 275 280
Dropping Point, °C(°F)	ASTM D2265	160(320)	160(320)	171(340)	186(367)	188(370)
Timken OK Load, lb	ASTM D2509	40	40	40	40	40
Four Ball Weld Point, kg	ASTM D2596	250	250	250	250	250
Copper Corrosion	ASTM D4048	1b	1b	1b	1b	1b
Bearing Rust	ASTM D1743	Pass	Pass	Pass	Pass	Pass
Thickener Type		Lithium	Lithium	Lithium	Lithium	Lithium
ISO Viscosity Grade, Base Oil Equivalent		320	220	220	220	220
Base Oil Viscosity, Kinematic cSt at 40°C cSt at 100°C	ASTM D445	 320 24	 220 19	 220 19	 220 19	 220 19
Base Oil Viscosity Index	ASTM D2270	95	97	97	97	97
Flash Point, °C(°F)	ASTM D92	224(435)	204(400)	204(400)	249(480)	249(480)
Pour Point, °C(°F)	ASTM D97	-27(-17)	-24(-11)	-12(-10)	-12(-10)	-12(-10)
Texture		Buttery	Buttery	Buttery	Buttery	Buttery
Color		Red	Amber	Amber	Amber	Amber

a Minimum operating temperature is the lowest temperature at which a grease, already in place, could be expected to provide lubrication. Most greases cannot be pumped at these minimum temperatures.

b Maximum operating temperature is the highest temperature at which the grease could be used with frequent (daily) relubrication.

Minor variations in product typical test data are to be expected in normal manufacturing.

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