



CHEVRON MULTIFAK[®] EP

000, 00, 0, 1, 2

CUSTOMER BENEFITS

Chevron Multifak EP deliver value through:

- **High film strength** — Timken Film Test Rating 40 pounds and above indicates high load-carrying capacity and low wear rate.
- **Good water resistance** — Provide lubrication in the presence of water.
- **Good corrosion protection** — Inhibited to protect bearing surfaces.
- **Good oxidation stability** — Helps to ensure long life in storage and in use.
- **Simplified lubrication** — One grease designed to satisfy most industrial grease requirements.
- **Economy** — Reduced inventory since these greases can replace many specialized products. Reduce chance of applying the wrong lubricant.
- **Low oil bleeding tendency** — Recommended for use in centralized lubrication systems.

FEATURES

Chevron Multifak EP are multipurpose extreme pressure greases.

They 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.

NLGI grade 000 is red in color and stringy in texture. NLGI grades 00, 0, 1 and 2 are amber in color and buttery in texture.

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

They 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

Chevron Multifak EP are widely accepted by the industry for use in centralized lubrication systems.

NLGI grades 00, 0, and 1 are recommended for this service.

Chevron Multifak EP can satisfy most industrial grease applications.

Typical applications are:

- Plain and antifriction bearings
- Chassis lubrication
- Construction equipment
- Conveyors and run-out rolls
- Crusher, shaker, or classifier screen bearings
- General machinery lubrication
- Low and high speed plain bearings
- Presses
- Roller and needle bearings
- Underground mining equipment
- Non-disc brake wheel bearings
- Winches

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

NLGI grades 1 and 2 are approved for the NLGI Certification Mark LB.

NLGI grades 0, 1 and 2 are certified 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.



TYPICAL TEST DATA

NLGI Grade	000	00	0	1	2
Product Number	274508	274509	274501	274502	274503
MSDS Number	23689	23689	23562	23562	23562
Operating Temperature, °C(°F)					
Minimum ¹	-35(-31)	-35(-31)	-30(-22)	-20(-4)	-15(5)
Maximum ²	70(158)	77(170)	99(210)	125(257)	127(260)
Penetration, at 25 °C(77°F)					
Unworked	445	415	390	305	275
Worked	460	415	370	325	280
Dropping Point, °C(°F)	160(320)	160(320)	171(340)	186(367)	188(370)
Timken OK Load, lb	40	40	40	40	40
Lincoln Ventmeter, psig at 30 s, at					
75°F	◆	◆	90	170	300
30°F	◆	◆	170	350	800
0°F	◆	125	250	†	875
-22°F	◆	200	810	◆	◆
Thickener, %	1.6	2.3	5.0	7.0	9.0
Type	Lithium	Lithium	Lithium	Lithium	Lithium
ISO Viscosity Grade, Base Oil Equivalent	320	100	220	220	220
Viscosity, Kinematic*					
cSt at 40°C	349	112	173	173	173
cSt at 100°C	22.3	9.8	15.6	15.6	15.6
Viscosity, Saybolt*					
SUS at 100°F	1880	595	914	914	914
SUS at 210°F	112	60	82	82	82
Viscosity Index*	76	49	90	90	90
Flash Point, °C(°F)*	224(435)	204(400)	204(400)	249(480)	249(480)
Pour Point, °C(°F)*	-27(-17)	-24(-11)	-12(-10)	-12(-10)	-12(-10)
Texture	Stringy	Buttery	Buttery	Buttery	Buttery
Color	Red	Amber	Amber	Amber	Amber

Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.

¹ 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.

² Maximum operating temperature is the highest temperature at which the grease could be used with frequent (daily) relubrication.

* Determined on mineral oil extracted by vacuum filtration.

◆ Not tested at this temperature.

† Too stiff at this temperature to pump through device.