Multifak HM 00/000

Efficient performance extreme pressure lithium grease

(previously known as Multifak 264 EP 00/000)

Product description

Multifak HM 00/000 is an efficient performance, mechanically stable extreme pressure lithium grease, suitable for use in a wide range of utility vehicle and centralised industrial lubrication systems.

Light green in colour, this mineral oil-based grease is water resistant and contains anti-wear, anti-oxidation, and rust resistance additives.

Customer benefits

- Designed for use under extreme pressures and shock loads.
- Good water resistance helps provide reliable rust and corrosion protection.
- Offers good oxidation resistance for stay-in-grade performance.
- Formulated to be easily conveyable in centralised lubrication systems.

Product highlights

- **Designed for use under extreme pressures and shock loads.**
- **Good water resistance.**
- **Offers good oxidation resistance.**
- **Formulated to be easily conveyable.**

Selected specification standards include:

Baier & Köppel	Daimler-Benz
DIN	ISO
Lincoln	MAN
Tecelemit	Willy Vogel AG

Applications

- This grease is suitable for centralized lubricating installations in utility vehicles (trucks and construction machines). Excellent low temperature behavior and pumpability allow the use in aggregates with long pipe installation and small cross sections.
- Multifak HM 00/000 is semi-fluid and may also be used for many gear types, where grease lubrication is recommended. Suited for Units with long cable routes, gear boxes and gear motors.

Typical applications are:

- Lubrication of rail vehicle wheels
- Truck wheel bearings
- Roller bearings in crushers, mills and mixers
- General lubrication applications in steel plants, especially hot and cold rolling mills
- Centralised lubrication systems where grease is supplied to highly loaded lubrication points.

Approvals, performance and suitable for use

Typical applications are:

Approvals

- Willy Vogel AG – centralized lube systems
- Lincoln - centralized lube systems
- Tecalemit - centralised lube systems
- Baier & Köppel - centralised lube systems
- MAN 283 Li-P00 DTFR 33B100
- MB-Approval 264.0

Performance

	DIN 51 502	ISO 6743-09	Operating temperature
Multifak HM 00/000	GP 00/000 K-50	ISO-L-XEBEB 00/000	-50°C up to +120°C[1]

Product maintenance and handling

Maintaining a clean work environment is critical when equipment greasing is performed. Grease fittings should be wiped clean prior to grease injection to prevent contaminants from entering the equipment. Bearing housings should be maintained one-third to one-half full of grease. Over-greasing should be avoided as excessive heat build-up can result. Periodic relubrication via grease gun or centralized system should be supplemented by complete cleaning and packing with fresh grease on an appropriate schedule.

Minimum storage period:

Protect from frost, heat and direct sunlight.

The minimum storage period is approx. 36 months in closed original containers at temperatures between 5°C and 40°C under weather-protected conditions.

The minimum storage period is not to be equated with the shelf life. The shelf life is normally longer. It is recommended to carry out a visual inspection after exceeding the minimum storage period.

After a longer storage time, we recommend homogenizing the product by stirring before use.

[1] The service temperature range and short-term permissible temperature peaks should only be regarded as guide values, which may depend on the specific application and environmental influences.

Typical test data

Test	Test Methods	Results
Typical Shelf Life: 36 months from date of filling indicated on the product label		
Appearance	Visual	Smooth, light green
NLGI grade	ASTM D217 mod	00/000 Supplied as an NLGI 000
Penetration worked, mm/10	DIN ISO 2137	400 - 460
Penetration after 100.000 strokes, mm/10	DIN ISO 2137	<30
Thickener type		Lithium
Base oil type		Mineral
Base oil viscosity at 40°C, mm²/s (pure base oil mix)	ASTM D445	45
Dropping Point, °C	DIN ISO 2176	>160
Water resistance Static	DIN 51 807/1	1-90
Emcor corrosion resistance, distilled water	DIN 51 802	0/0
Four ball EP, weld Load , N	DIN 51 350/4	2200
Flow pressure at -35°C, mbar	DIN 51 805	<60

The typical test data set out above does not constitute a specification. It is indicative only and can be affected by allowable production tolerances. Chevron may modify this test data. Modified data will supersede all previous data, so please ensure you refer to the latest version of this Product Data Sheet (PDS).