

## RENOLIT G 460

Seawater-resistant EP multipurpose grease  
in accordance with NATO CODE G-460

### Description

RENOLIT G 460 is a seawater-resistant EP-multipurpose grease based on mixed-alkaline mineral oils. The thickener contained in RENOLIT G 460 is a high-value lithium-calcium-12-hydroxystearate soap. A specific additive technology ensures the products excellent pressure compensation properties, an extraordinarily good resistance to ageing, and very good corrosion protection properties.

RENOLIT G 460 offers a highly resistant lubricating film and good adhesion properties which lead to a reduction of wear and tear in plain and roller bearings exposed to specifically high loads.

RENOLIT G 460 is extraordinarily oxidation-stable, even at permanent high temperatures. Thus, RENOLIT G 460 is well suitable for lifetime lubrication under difficult conditions.

RENOLIT G 460 has a good sealing effect in order to protect the lubrication points against incoming water and dirt.

### Application

RENOLIT G 460 is used for the lubrication of plain and roller bearings in offshore and marine areas which are exposed to extreme operating conditions, such as high specific pressures, impact loads, high rotational speeds, low rotational speeds together with high bearing pressures, relatively high or low bearing temperatures and in the presence of humidity and/or seawater.

### Advantages

- Good corrosion protection, even with saltwater
- Good oxidation stability
- Good sealing effect
- High tackiness
- High work stability
- Highly resistant lubricating film

### Specifications/Approvals

#### Military:

- TL 9150-0066 (Germany)
- DEF STAN 91-34 (Great Britain)
- STM 7420 (France)



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### Characteristics

Classification	-	KP 2 K-30 ISO-L-X-CCIB 2	DIN 51 502 ISO 6743-9
Colour	-	brown	-
Thickener	-	lithium calcium soap	-
Dropping Point	°C	> 180	IP 396
Worked penetration (Pw 60)	0.1 mm	265 – 295	DIN ISO 2137
NLGI-grade	-	2	DIN 51 818
Corrosion protection properties (SKF Emscor Test) with 3% NaCl-solution	degree of corr.	0 - 0 1 - 1	DIN 51 802
Copper corrosion at 100°C	degree of corr.	1 – 100	DIN 51 811
Water resistance	eval.-stage	1 – 90	DIN 51 807-1
Four ball method, welding load	N	2600	DIN 51 350-4
Flow pressure –30°C	hPa	< 1400	DIN 51 805
Oil separation at 40°C / 7d	%	< 3	DIN 51 817
Base oil	-	mineral oil	-
Base oil viscosity at 40°C	mm <sup>2</sup> /s	155	DIN 51 562
Temperature range	°C	-30 up to +120	DIN 51 825