

RENOLIT CL X2

Water resistant, low temperature grease

Description

Developed primarily as a multi-purpose and automotive grease for use by the Armed Forces, RENOLIT CL X2 is eminently suitable for use in very low temperature environments down to -54°C, whilst maintaining a good performance at temperatures as high as 95°C.

A special feature is its ability to absorb water contamination from the lubrication zone, ensuring that the lubricating action is not affected. RENOLIT CL X2 is therefore suitable as a general lubricant offering excellent protection for equipment which might come into contact with water. Performance is enhanced by the incorporation of extreme pressure, anti-corrosion, anti-oxidant, metal deactivator and special emulsifying additives.

Application

RENOLIT CL X2 is specifically designed for use in wet or low temperature conditions, including: -

Industrial process equipment.
Machine tools.
Bearings.
Tanks/amphibious craft.
Lorries.
Outboard motors.

Advantages/Benefits

- Calcium soap base producing excellent resistance to water
- Excellent anti-corrosion properties
- Contains extreme pressure additives to protect under high load conditions
- Emulsifies water in the lubrication zone to protect bearings from corrosion
- Excellent pumpability
- Anti-oxidant incorporated to prolong product life

Specifications

- Holds NATO approval under code G-403.
- Approved to British Government Specification XG279. DEF STAN 91-27/1.

Shelf Life

The minimum shelf life is 36 months if the product is properly stored between 0°C and 40°C in its unopened original container in a dry place. The indication of a minimum shelf life does not include any guarantee of durability.



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CHARACTERISTICS: RENOLIT CL X2

Characteristics	Unit		Test Method
Colour		Yellow	
Texture		Smooth	
Thickening agent		Calcium soap	
Drop point	°C	130 min.	ISO2176
Worked penetration	1/10 mm	265-295	ISO2137
DIN Classification		KP 2 G-50	DIN 51 825
ISO Classification		L-XEBHB 2	ISO 6743-9
NLGI grade		2	
Water content	%wt	Trace	IP74
Acidity on base grease as oleic	%wt	0.16 max.	IP37
Alkalinity on base grease as Ca(OH) ₂	%wt	0.16 max.	IP37
Oil separation 7 days at 25°C	%wt	6.0 max.	IP121
Oxidation stability maximum pressure drop 100 hours	bar	0.35	IP142
Copper corrosion 24 hr at 40°C		Passes	IP112
4 ball weld load	N	>2943	IP239
Sphere of use	°C	-54 to +95	

Fluid Component

Type	Highly refined mineral oil		
Kinematic viscosity			ISO3104
at 40°C	mm ² /s	14.3	
at 100°C	mm ² /s	3.2	

NOTE – RENOLIT CL X2 is also the Ideal product for use in centralised lube systems for vehicles, trailers & quarry equipment that call for NLGI 2 grease.

However, RENOLIT LZR 000 remains the approved grease for automotive systems requiring NLGI 00/000 grease.