



PEERLESS LLG* HIGH PERFORMANCE GREASE

Introduction

Petro-Canada Peerless LLG is a superior, high performance grease specifically recommended for high temperature and long life applications. Peerless LLG combines three areas of high technology, namely:

- Petro-Canada ultra pure HT Severely Hydrocracked base oils
- Petro-Canada's patented and proven antioxidant chemistry
- The latest in calcium sulphonate complex grease thickeners

Peerless LLG is distinctive burgundy in colour and has an NLGI No.2 consistency. It meets the stringent requirements of NLGI Automotive Service Classification GC-LB. This confirms that Peerless LLG will provide satisfactory performance in chassis (LB) and wheel bearing (GC) lubrication.

Features and Benefits

- **Outstanding oxidation stability**
 - Long grease life - about three to four times that of regular lithium complex greases (240 hr bearing life at 160°C/320°F versus a typical GC-LB grease of 80 hr)
 - Equal to or better than the best polyurea greases on the market
 - Designed for sealed-for-life bearings
 - Suitable as a "life-pack" lubricant
- **High Dropping Point**
 - Suitable for continuous operating temperatures of 200°C/392°F and intermittent temperatures as high as 300°C/572°F
- **Excellent water resistance**
 - Lubricates well in wet conditions
 - Strongly resists water wash-off
 - Lengthens lubrication intervals

- **Outstanding rust protection**

- Protects against rust especially in marine applications

- **Excellent load carrying ability**

- Reduces bearing wear and extends equipment life
- Protects bearings against heavy loading
- Reduces down-time and maintenance costs

- **High technology formulation**

- Built-in/non-sacrificial anti-oxidant chemistry for long life
- Superior protection against rust and corrosion
- Contains environmentally-friendly base oils and no heavy metals
- Reduces equipment noise

Applications

Peerless LLG is formulated to compete with "long life/high temperature" greases including polyurea greases such as Dolium and Chevron SRI, and is specifically recommended for all equipment where a polyurea grease is specified.

It is recommended for use in sealed-for-life bearings and other life-pack applications such as constant velocity (CV) joints, small appliances and in ovens and kilns. Peerless LLG is approved against NLGI Automotive Service Classification GC-LB and so will perform well in chassis and wheel bearing lubrication.

It is recommended for use in equipment running continuously at temperatures up to 200°C/392°F and is suitable for equipment running intermittently up to 300°C/572°F.

Peerless LLG is recommended for use where protection is needed against heavy loading or where extremely wet or water spray conditions are encountered.

What is the HT difference?

Petro-Canada starts with the patented HT purity process to produce water-white, 99.9% pure base oils. The result is a range of lubricants, specialty fluids and greases that deliver maximum performance for our customers.



Typical Performance Data

PROPERTY	TEST METHOD	PEERLESS LLG GREASE
NLGI Grade	D217	2
Colour	PCM 264	Burgundy
Texture	PCM 264	Smooth/Buttery
Dropping Point, °C/°F	D2265	314/597
Worked Penetration, 60 strokes	D217	270
Mobility, g/m @ -18°C	PCM 533	0.032
Oxidation Stability		
100 hrs, psi drop	D942	2.2
500 hrs, psi drop	D942	5.5
Four Ball Weld Point, kg	D2596	500
Four Ball Wear, scar diam, mm	D2266	0.5
Load Wear Index	D2596	63
Timken OK Load, kg/lb	D2509	27/60
Copper Corrosion	D4048	1a
Water Washout, % @ 79°C	D1264	3
Bearing Life, hr @ 160°C	D3527	240 (Note 1)
Base Oil Viscosity		
cSt @ 40°C / SUV @ 100°F	D445	95/495
cSt @ 100°C / SUV @ 212°F		10.8/63
Recommended Continuous Operating Temperature Range, °C/°F		-30 to 200°C / -22 to 392°F

The values quoted above are typical of normal production. They do not constitute a specification.

Note 1: A typical NLGI GC-LB grease lasts 80 hours in this test

Health and Safety

Petro-Canada Peerless LLG has no adverse effect on health, provided it is used as directed. Peerless LLG is not controlled under OSHA or WHMIS with no work exposure limits (PELs or JLVs), nor is it classified under European DSD/DPS. To obtain Material Health and Safety Data Sheets, contact one of our Techdata Info Lines.

TechData Info Lines

If you would like to know more about Petro-Canada Peerless LLG, or any other product in our complete line of quality lubricants, please contact us at:

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