



## Pin, Bearing & Journal Oil

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### **PB&J460BG BIODEGRADABLE PLAIN BEARING OIL**

Low Environmental Impact, 100% Loss Lubricant (ISO460)

For manual, lubricator and wicking application to plain journal bearings, slides and open mechanical drives

Chelesic® Biodegradable PB&J460BG is formulated specifically for lubrication of open bearings, slides and mechanical drives where boundary lubrication and high bearing loads prevail. It is custom blended to exacting standards so it will perform consistently day after day in 100% loss lubrication service. It is readily biodegradable and has passed the OECD 301B test for ultimate biodegradability. It is a premium lubricant with exceptionally low environmental impact and provides the following benefits.

- It feeds well from drip lubricators and wicking cups. It spreads quickly and wets the bearing and journal surfaces effectively.
- It establishes a high strength film that is very oily and promotes excellent boundary lubrication and shock absorption.
- It fortifies the film with a hydrophobic characteristic that resists water and steam washing the lubricant from the bearing.
- It adheres to the bearing and resists dripping and slinging. It provides outstanding lubrication performance at extremely low feed rates – a little bit goes a long way!
- It washes accumulated grit from the bearing surfaces instead of suspending it in the lubricant.
- It creates a tenacious film that will remain long after shutdown and help prevent rust formation on bearings
- When lost to the environment it is non-toxic, does not impair normal bacterial action and degrades in compliance with U.S. Environmental Protection Agency approved criteria for readily biodegradable lubricants.

#### **APPLICATION GUIDE**

Chelesic® Biodegradable PB&J460BG can be applied with 100% loss lubrication systems on all types of reciprocating engines, conveyor machinery, hydroelectric dam machinery, farm implements, railroad equipment, truck/trailer equipment and amusement park rides. It is also an excellent flange lubricant for railroad equipment. It is far superior to flange greases because it will spread and wet over longer rail distances. Its biodegradability is an important feature due to ground contact on railroad track applications. It can be applied to bearings with manual oil cans, wicking cups, drip feed oilers, ring oilers and mechanical lubricator systems. Chelesic® Biodegradable PB&J460BG should not be stored at temperatures below 55° F. It can be used in re-circulating lubrication systems where temperatures do not exceed 150° F and low oil turbulence prevails.

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### Typical Specifications

Base Oil Blend:	Fixed Oils
Additives:	Film/surface modifiers for 100% loss lubrication
Color:	Translucent Golden Honey
Viscosity:	ISO460 (SAE140)
Flash Point:	535° F C.O.C.

The chemical, physical and physiological properties of this product have not been fully investigated and it's handling, mixing with incompatible chemicals, or use may be hazardous. The product is for industrial use only. Do not ingest. Keep away from children. Material safety data sheets are available upon request.

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Tel. 423-215-0684 <http://www.steamenginelube.com>  
Released September 20, 2006  
Revised April 14, 2010