



Orelube®

**technical
information**

HT-450 SC

100% SYNTHETIC ESTER EP GREASE

Description

Orelube HT-450 SC is a superior high temperature EP grease offering extra-long service life in all types of plain and anti-friction bearings, especially at operating temperatures from 300 to 565 F. The reduced maintenance and long lubrication life provided by HT-450 SC will reduce overall lubrication costs making it extremely cost-effective.

HT-450 SC is manufactured using a *unique synthetic sodium complex soap thickener* and a *special synthetic ester fluid* for *exceptional oxidation and thermal stability* enabling extended relubrication intervals at high temperatures without deteriorating into hard, abrasive or sludge-like residues.

HT-450 SC provides high extreme pressure properties and superior reduction in friction and wear using thermally-stable chemical additives and *micronized PTFE (polytetrafluoroethylene)* solid lubricant.

Benefits

- 100% Synthetic Ester Fluid
- Synthetic sodium complex thickener
- *Extends relubricatin intervals at high temperatures*
- Low coefficient of friction
- Not affected by mild acid, alkali or salt environments

Applications

- Plain (journal, sleeve, guide) bearings
- Antifriction or rolling contact (ball, roller, needle) bearings
- Tenter frames, bakery and kiln conveyor bearings, blower fan bearings

High Temperature Bearing Test, ASTM D-3336

Test conditions: 20 mm bore 204 heat resistant steel ball bearing @ 3400 rpm

<u>Temperature, F</u>
450
500
565

<u>Hours to failure</u>
1000
427
40

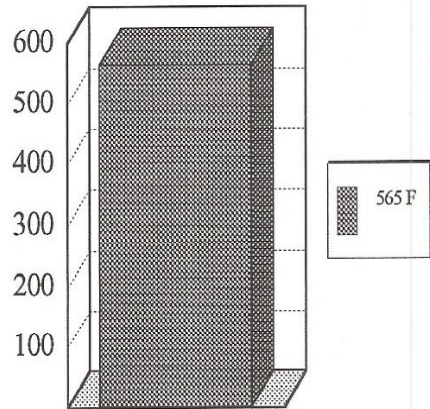
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Typical Properties

NLGI Grade	2
Color	Orange-brown
Dropping Point, ASTM D-2265, F	590
Rust Test, ASTM D-1743	Pass
Water Washout, ASTM D-1264	
% wt. loss @ 175 F	< 1
4-Ball EP, ASTM D-2596	
Weld load, kg	500
Timken EP Test, ASTM D-2509	
OK Load, lbs	55



40 Hours @ 565 F

