

TEC PLEX[®]

2220S-H1 HEAVY DUTY, SYNTHETIC FOOD GRADE GREASE

FOOD GRADE SERIES

TEC PLEX[®] 2220S-H1 is an incidental food contact grease made with 100% PAO synthetic base oil and components. Using Daubert's next generation calcium sulfonate thickener, this grease provides exceptional properties with only a minimal additive package... allowing the grease to have NSF H1, Kosher, and Halal registrations. **TEC PLEX[®] 2220S-H1** provides excellent lubrication for a variety of medium-to-heavy duty uses, and is appropriate for most industrial applications. It also provides protection from corrosion while equipment is idle or in storage.



TYPICAL APPLICATIONS

- General chassis lubrication, for equipment where incidental food contact or human contact is expected.
- Conveyor bearings and enclosed gears in high humidity food processing environments.
- Packaging equipment in beverage processing facilities such as dairies, breweries, and bottling plants.
- Farm equipment used in the maintaining and harvesting of crops. For customers with strict supplier quality guidelines.



KEY FEATURES

- Grade 2, ISO 220 PAO Base Oil Formulation.
- Inherent protection from rust and corrosion.
- 100% PAO Base Oil... no mineral oil component.
- Wide operating temperature range, and very effective in extremely low temps (-40C and below).
- Mechanically stable... virtually no consistency change during/after usage.
- Environmentally friendly formulation contains no antimony, barium, chlorine, phosphorus, zinc or free sulfur.
- NSF H1 Registration Number: 147716

DAUBERT
CHEMICAL COMPANY, INC.



TEC PLEX[®]

2220S-H1 HEAVY DUTY, SYNTHETIC FOOD GRADE GREASE

FOOD GRADE SERIES

PHYSICAL PROPERTIES

TEST METHOD

TYPICAL VALUES

NLGI Grade	ASTM D217	2
Color	Visual	Off-White
Texture	Visual	Smooth
Dropping Point, °C	ASTM D2265	316°C
Worked Penetration, 60 Double Strokes, dmm	ASTM D217	265 - 295
Mechanical Stability		
<i>Worked Penetration 10,000 Double Strokes, % Change</i>	ASTM D217	< 3.0
<i>Worked Penetration 100,000 Double Strokes, % Change</i>	ASTM D217	< 3.0
<i>Worked Penetration 10,000 Double Strokes with 10% Water, % Change</i>	ASTM D217	< 3.0
Roll Stability, % change	ASTM D1831	< 3.0
Timken OK Load, kg	ASTM D2509	25
4-Ball EP:LWI, kgf	ASTM D2596	50
Weld Point, kg	ASTM D2596	400
4-Ball Wear, mm	ASTM D2266	0.50
Fretting Wear, mg	ASTM D4170	< 10
Bearing Rust Protection	ASTM D1743	Pass
Salt Fog Corrosion, 1 mil d.f.t., hours	ASTM B117	> 500
Wheel Bearing Leakage, grams	ASTM D4290	< 3
Bearing Life Performance, hours	ASTM D3527	> 150
Bomb Oxidation, 100 hours @ 99°C, PSI Drop	ASTM D942	< 1
Water Washout, % removed	ASTM D1264	< 1
Oil Separation, % loss	ASTM D1742	< 0.5
Copper Strip Corrosion	ASTM D4048	1b
Base Oil Viscosity, cSt	ASTM D445	
@ 100°C		25.5
@ 40°C		220
Viscosity Index		147
Pour Point °F		< -40

REFER TO SAFETY DATA SHEET FOR HEALTH AND SAFETY INFORMATION.

WARRANTY: Daubert Chemical Company, Inc. ("Daubert") warrants all products manufactured by it to be free from defects in material and workmanship. DAUBERT MAKES NO OTHER WARRANTIES, WHETHER EXPRESSED OR IMPLIED, WITH RESPECT TO SUCH PRODUCTS, AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND IMPLIED WARRANTIES ARISING FROM A COURSE OF DEALING OR USAGE OF TRADE, ARE DISCLAIMED BY DAUBERT. All claims hereunder must be made in writing within 30 days after receipt of the products at the buyer's plant and prior to further processing the products or combining them with other materials or products. Daubert's liability, whether under this warranty or in contract, tort, negligence or otherwise, is limited to the return of the net purchase price paid for any products proven defective or, at Daubert's option, to the repair or replacement of said products upon their return, transportation prepaid, to Daubert. THE REMEDY HEREBY PROVIDED SHALL BE THE EXCLUSIVE AND SOLE REMEDY OF THE BUYER, AND UNDER NO CIRCUMSTANCES SHALL DAUBERT BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES. No Daubert representative or other person is authorized to change this warranty in any way or to assume for Daubert any other liability in connection with the sale or use of its products.

CAUTION: The data, statements and recommendations set forth in this product information sheet are based on testing, research and other development work which has been carefully conducted by us, and we believe such data, statements and recommendations will serve as reliable guidelines. However, this product is subject to numerous uses under varying conditions over which we have no control, and accordingly, we do NOT warrant that this product is suitable for any particular use. Users are advised to test the product in advance to make certain it is suitable for their particular production conditions and particular use or uses.

©2018 Daubert Chemical Company, Inc. All Rights Reserved
TecPlex[®] is a Registered Trademark of Daubert Chemical Company, Inc.
Oct 2, 2018:msm