

TIMKEN HIGH SPEED GREASE

Lubricating Grease

Part Numbers

GR218C-00000	1 14-Ounce Cartridge
GR218C-90001	10 14-Ounce Cartridge
	40 14-Ounce Cartridge
GR218P-00000	1 35-Pound Pail
GR218K-00000	1 120-Pound Keg
GR218D-00000	1 400-Pound Drum

Product Description and Intended Use

TIMKEN High Speed Grease is an NLGI No. 2 polyurea thickened grease specifically designed for the lubrication of high speed ball bearings in applications such as alternators, generators, starters, electric motors and other long life applications. TIMKEN High Speed Grease does not contain extreme pressure additives as required by many electric motor bearing manufacturers, but is inhibited against rust and oxidation.

Product Application

TIMKEN High Speed Grease can be applied from ambient temperatures of - 30° F to + 325° F (- 34° C to + 163° C) depending on lubrication system design and method of application. TIMKEN High Speed Grease has an operating range of - 40° F to + 325° F (- 40° C to + 163° C) once in the application. Follow equipment manufacturer's recommendations concerning lubrication frequencies.

Compatibility of Grease

TIMKEN High Speed Grease is generally compatible with calcium sulfonate and polyurea thickened greases. TIMKEN recommends that all grease be removed from the application prior to changing greases. Then the lubrication interval is reduced by half for the first lubrication cycle before resuming the normal lubrication interval.

Handling and Storage

Store in a dry area away from heat and open flame. See Material Safety Data Sheet for more information.

Shipping and Disposal Information

Follow governmental regulations pertaining to the shipping and disposal of this product. Do not reuse container. See Material Safety Data Sheet for more information.

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Product Specifications – Typical

Color	Blue-Green
NLGI Grade	2
Thickener Type	Polyurea
Penetration, Unworked, ASTM D 217	220 Min.
Penetration, Worked 60 Strokes, ASTM D 217	265-295
Penetration Change, 100000 Strokes, ASTM D 217	340-380
Wheel Bearing Leakage, ASTM D 1263	5 Grams Max.
Dropping Point, ASTM D 2265	> 260° C
Oxidation Stability, ASTM D 942, 100 hours at 99° C	5
Copper Strip Corrosion, ASTM D 4048	1a
Corrosion Preventive Properties, ASTM D 1743	Pass
Oil Separation, ASTM D 1742	0.5
Water Washout, ASTM D 1264, 175° F (79° C), % Loss	5
Bearing Life, ASTM D 3336, 300° F, Hours	3,000
Base Fluid Properties:	
Viscosity @ 100° C, ASTM D 445, Centistokes	9-13
Viscosity @ 40° C, ASTM D 445, Centistokes	95-110
Viscosity Index	95
Flash Point, ASTM D 92	255° C
Pour Point, ASTM D 97	- 15° C

Date: August 18, 2003

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CT Part Number: 344400