TIMKEN® HIGH-PERFORMANCE ROLLER HOUSED UNIT GREASE

Lubricating Grease

Part Numbers

GR255C	400 g (14 oz.) cartridges,10/case
GR255P	16 kg (35.3 lb) pail
GR255D	180 kg (396.8 lb) drum

Overview

Timken High-Performance Roller Housed Unit Grease is a lithium complex lubricating grease formulated with 100% synthetic hydrocarbon fluids (PAO). This product has been formulated with a special additive package which insures high film strength, extreme pressure (EP), anti- wear properties and is compatible with most industrial materials.

Timken High-Performance Roller Housed Unit Grease is designed for roller bearings in housed units used in metals, mining, power generation, lumber, construction, off-highway, cement and other heavy industries.

Design Attributes

- Contains solid lubricant moly and EP/AW additives.
- Wide operating temperature range.
- Meets NLGI Certification GC-LB.

Product Application

Timken High-Performance Roller Housed Unit Grease can be applied from ambient temperatures of -40° F to +356° F (-40° C to +180° C) depending on lubrication system design and method of application. Synthetic Industrial Grease has an operating temperature range of - 50° F to +356° F (-46° C to +180° C) once in the application.

Caution

Follow equipment manufacturer’s recommendations concerning lubrication frequencies. Failure to follow correct lubrication practices can result in premature equipment failure.

Compatibility of Grease

Timken High-Performance Roller Housed Unit Grease is generally compatible with calcium, calcium 12-OH stearate, calcium sulfonate, lithium and lithium-complex 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 Safety Data Sheet (SDS) for more information.

Shipping and Disposal Information

Follow governmental regulations pertaining to the shipping and disposal of this product. Do not reuse container after use. See MSDS sheet for more information.

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Product Specifications – Typical

Color	Dark Gray
NLGI Grade	2
Thickener Type	Lithium Complex
Penetration, Unworked, ASTM D 217	265 - 295
Penetration, Worked 60 Strokes, ASTM D 217	265 - 295
Penetration Change, 100000 Strokes, ASTM D 217	+5
Roll Stability, ASTM D 1831, 2 hours, 25° C, Change	+50
Dropping Point, ASTM D 2265	235° C min.
Oxidation Stability, ASTM D 942, 100 hours at 99° C	4 psi
Four-Ball Wear, ASTM D 2266, 40 kg, 1200 RPM, 75° C, Scar mm	0.5 max.
Four-Ball EP, Weld Point, ASTM D 2596, kgf	800 min.
Timken OK Load, ASTM D 2509, Pounds	60 min.
Corrosion Preventive Properties, ASTM D 1743	Pass
Oil Separation, ASTM D 1742	4% max.
Water Washout, ASTM D 1264, 1 hour, 79° C, Loss	< 3%
Wheel Bearing Leakage, ASTM D 1263, g	< 5
Base Fluid Properties:	
Viscosity @ 100° C, ASTM D 445, Centistokes	17-21
Viscosity @ 40° C, ASTM D 445, Centistokes	240 - 250

Viscosity Index	145
Pour Point, ASTM D 97, Max.	-40° C
Flash Point, ASTM D 92, Min.	215° C