

TIMKEN High-Performance Roller Housed Unit Grease

Part Numbers:

GR255C 400 g (14 oz.) cartridges,10/case

GR255T 454 g (1 lb) tubs/6 case

GR255P 16 kg (35.3 lb) pail

GR255K 55 kg (121.3 lb) keg

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), antiwear 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.

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: +25

Roll Stability, ASTM D 1831, 2 hours, 25° C, Change :+15

Dropping Point, ASTM D 2265 :260° C Min.

Oxidation Stability, ASTM D 942, 100 hours at 99° C :7 psi

Four-Ball Wear, ASTM D 2266, 40 kg, 1200 RPM, 75° C, Scar mm :0.45 Max.

Four-Ball EP, Weld Point, ASTM D 2596, kgf: 500 Min.

Timken OK Load, ASTM D 2509, Pounds: 60 Min.

Corrosion Preventive Properties, ASTM D 1743: Pass

Oil Separation, ASTM D 1742: 5% Max.

Water Washout, ASTM D 1264, 1 hour, 79° C, Loss: 5%

Wheel Bearing Leakage, ASTM D 1263, g :0.5

Base Fluid Properties:

Viscosity @ 100° C, ASTM D 445, Centistokes 18-20

Viscosity @ 40° C, ASTM D 445, Centistokes 140 - 150

Viscosity Index 145

Pour Point, ASTM D 97, Max. -40°C

Flash Point, ASTM D 92, Min. 215° C