TIMKEN® High-Performance Roller Housed Unit Grease
Lubricating 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), 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.

**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

Date: July 1, 2015
Product: TIMKEN® High-Performance Roller Housed Unit Grease