



*Synthetic Based Lubricating Grease*

# Sumtech SG Series

*Synthetic Hydrocarbon Lithium Complex Grease*

## Full Synthetic Products

- **DSL® Series**
- **SH® Series**
- **Lubricant Coolant**
- **Supra Coolant®**
- **Supra-32**
- **AU-46**
- **Food Grade Series**
- **SH® Turbine Oils**
- **Ultima & Ultima 68**

Premium  
Synthetic Blend

- **PS Series**

Synthetic Blend

- **TM Series**

Additional Synthetic  
Lubricants for these  
Applications

**Air, Gas & Refrigeration  
Compressors**

**Air Tools**

**Vacuum Pumps**

**Turbines**

**Blowers**

**Chain & Oven Conveyors**

**Heat Transfer Fluids**

**Barrier Fluids**



ISO 9001: 2000 & 14001  
Registered

## Sumtech SG-220 and SG-460 Benefits

- Made from a high viscosity synthetic hydrocarbon oil and special lithium complex soap
- Available in two ISO Viscosity Grades of 220 and 460
- Specially blended antioxidants provide oxidation stability at both low and high temperatures
- (EP/AW) Extreme pressure and anti-wear additives enhance the load carrying ability of the base oil
- Blended corrosion inhibitors protect all types of metallic surfaces including yellow metals
- Developed for high temperature environments
- Multipurpose EP grease with development emphasis on rolling element anti-friction bearings
- Proven operating temperature range of -30°C(-20°F) to 150°C(302°F)
- Maximum storage period is approximately 3 years when the product is stored in the original closed container and in a dry place

## Sumtech Series SG-220 and SG-460 are recommended for use in the following application:

Long-term and lifetime lubrication of rolling bearings in a service temperature range between -30°C(-20°F) to 150°C(302°F)

## Materials Compatibility

Sumtech SG-220 and SG-460 are compatible with most seal materials, paints and plastics

*Summit Industrial Products, Inc. is recognized as an industry leader in lubricating technology. Summit is a subsidiary of Klüber Lubrication, one of the world's leading manufacturers of specialized high performance greases, oils, pastes and coatings.*

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## Synthetic Based Lubricating Grease

# Sumtech SG Series

Products	Sumtech SG-220	Sumtech SG-460
Color	Beige	Beige
Texture	Homogenous	Homogenous
Base Oil	Synthetic hydrocarbon	Synthetic hydrocarbon
Viscosity at 40°C cSt	Approx 226	Approx 470
Viscosity at 100°C cSt	Approx 26	Approx 45
Viscosity Index	Approx 146	Approx 150
ASTM D 446		
Thickener Type	Lithium complex soap	Lithium complex soap
Density at 20°C g/cm <sup>3</sup>	0.870	0.870
Service Temperature	-30°C to 140°C	-35°C to 150°C
NLGI Grade	2	1.5
Drop Point	Approx 280°C	Approx 280°C
ASTM D 2265		
Penetration		
Worked 60 ds	280 1/10 mm	300 1/10 mm
Prolong worked 100,000 ds	310 1/10 mm	330 1/10 mm
ASTM D 217		
Oil Separation	< 3%	< 4%
ASTM D6168		
4-Ball Wear		
ASTM D 2266	0.57mm, 0.52mm	0.55mm, 0.58mm
4-Ball Load Wear Index	50	54
Last non seizure load	80-kg (0.39mm)	100-kg (0.43mm)
Last seizure load	250-kg (2.02mm)	250-kg (2.11mm)
Weld load	315-kg	315-kg
ASTM D 2596		
Corrosion		
Preventative Properties	Pass	Pass
ASTM D 1743		
Corrosion Preventative		
Properties EMCOR	0/0	0/0
ASTM D 6138		
Copper Corrosion	1B	1B
ASTM D 4048		

# Product Data Sheet

NOTE: The information shown here is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current as of September 13, 2004.

