



# Product Data Sheet

## Synthetic LCS EP 1.5 Lithium Complex Grease

### DESCRIPTION

Nemco Synthetic LCS Grease is a purple coloured, lithium complex, extreme pressure grease containing higher-viscosity synthetic base oil and is designed for use on plain and anti-friction bearings in all automotive, farm equipment and industrial machinery. Synthetic LCS grease is an NLGI #1.5 grade of grease. This multi-purpose synthetic lithium complex grease has a high dropping point in excess of 260°C (500°F), which ensures retention where high temperatures are encountered, as well as exhibiting outstanding low temperature performance to temperatures down to -40°C (-40°F).

This product is formulated with 100% synthetic hydrocarbon fluids combined with a special additive package which ensures high film strength, extreme pressure and anti-wear properties. The high quality synthetic base fluids provide excellent natural oxidation inhibition. This combined with effective anti-oxidants as well as corrosion inhibitors provides extra stability under storage and extreme service conditions.

### Features and Benefits

- **Synthetic** – Formulated with 100% synthetic polyalphaolefin (PAO) base oil to deliver outstanding low temperature performance without compromising high temperature lubrication.
- **High Base Oil Viscosity** – mid to high base oil viscosity of 440 cSt @ 40C makes Synthetic LCS suitable for heavily loaded service
- **EP Performance** – Superior extreme pressure properties reduce wear and maintenance costs
- **Long Life** – Enhanced oxidative and thermal stability lead to longer service life
- **High Dropping Point** - a high dropping point over 260°C demonstrates Synthetic LCS Grease ability to handle high temperatures

### Applications

- Used in severe applications where extended service at high temperatures is required and frequent replenishment is not possible.
- Low temperature service applications requiring grease with a medium to high viscosity base oil for heavy loads.
- Automotive and farm equipment and industrial machinery

## Typical Characteristics – Synthetic LCS Grease

NLGI Grade	1.5
Soap type	Lithium Complex
Texture	Smooth
Colour	Purple
Worked penetration, 25°C 60 strokes	290-320
Rust prevention ASTM D1743, rating	Pass
Dropping point ASTM D1265, °C (°F) minimum	260 (500)
Four ball wear ASTM D2596, scar diameter (mm)	0.6
Four ball extreme pressure weld point ASTM D2596, kg	250
Timken OK load ASTM D2509, lb	55
Water Washout 80°C, D1264 (max)	5
Viscosity cSt at 40°C cSt at 100°C	440-460 42-50
Viscosity index, min	149

*Physical characteristics shown in the table are typical and may vary slightly.*