

Starplex Syn HD 1.5 (formerly Ulti-plex Synthetic Grease)

High Performance High Temperature Synthetic Grease



Product description

Starplex Syn HD 1.5 is a high performance, high temperature industrial and automotive EP grease specially formulated from synthetic base oil, lithium complex thickener, EP additives, a tackiness agent and special corrosion and oxidation inhibitors.

Customer benefits

- **Long bearing service life**

Combination of a lithium complex thickener, oxidation inhibitor, and synthetic base oil help prevent hardening in service. EP additives provide outstanding wear protection under heavy and/or shock loads. Effective rust and corrosion inhibitors help protect metal surfaces in wet conditions.

- **Wide temperature range application**

The high viscosity index synthetic base oil resists thickening at low temperatures and enables use over a wide temperature range. The excellent oxidation stability of the base fluid components enables operation in continuous high temperature environments.

- **Helps protect against equipment failure**

High viscosity index synthetic base oil and tackiness additive maintain oil viscosity and provide adhesive properties which help prevent oil leakage in high speed and high temperature conditions.

- **Exceptional water resistance**

Lithium complex thickener and tackiness additive help produce excellent resistance to water washout.

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Applications

Pulp and paper applications:

- High temperature felt roll bearings
- Lime kilns
- Sludge press bearings
- Pulp refiner bearings
- Pump and exhaust fan bearings

Mining industry:

- Conveyor bearings
- Pins and bushings on buckets
- Shaker screens
- Crushers

Steel industry applications:

- Roll bearings
- Conveyor bearings
- Furnace and coiler grease points
- Pump and exhaust fan bearings

Marine:

- Deck equipment
- Shaft bearings
- Crane and windlass winches
- Water exposed bushings

Usable temperature range in continuous service is -50 to 230°C.

Product approvals, performance and recommendations

Performance standards

Registered with NSF International (H2)

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Typical Test Data

STARPLEX SYN HD 1.5

Product Code		540935
Operating Temperature, °C (°F)		
Minimum ^a		-50
Maximum ^b		230
ISO Viscosity Grade Base Oil Equivalent		320
Base Oil Viscosity, Kinematic	ASTM D445	
cSt @ 40°C		301.6
cSt @ 100°C		31.6
Base Oil Viscosity Index	ASTM D2770	144
Thickener Type, m%		Lithium Complex, 13
Penetration, @ 25°C Worked (60 strokes)	ASTM D217	315
Dropping Point	ASTM D2265	280
Color		Light Brown
Four Ball Weld Point, Kg	ASTM D2596	500
Timken Ok Load, Kg	ASTM D2509	13
Corrosion Preventive Properties	ASTM D1743	Pass

- a. Minimum operating temperature is the lowest temperature at which a grease, already in place, could be expected to provide lubrication. Most greases cannot be pumped at these minimum temperatures.
- b. Maximum operating temperature is the highest temperature at which the grease could be used with frequent (daily) relubrication.

Minor variations in product typical test data are to be expected in normal manufacturing.

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended. Produced by Chevron Global Lubricants: Asia Pacific.

ENVIRONMENT, HEALTH and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the [Product Information Center](#).

This Product Data Sheet (PDS) was produced for the Asia Pacific region based on the best available information at the time of issue. The specific information included may not directly reflect the market or conditions, and may vary. For the most up-to-date, country-specific information, please contact your local customer service center.

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