Ωmega®
The Ultimate Lubricant

85

OMEGA 85 "Shear Sensation Plus" All-Purpose Grease

"Shear Sensation Plus" All-Purpose Grease

TRUST OMEGA TO

Save Money
Enhance Performance
Extend Service Life

- *Superior thickener and additives ensure unparalleled shear stability.*
- *True multi-purpose versatility – ideal for virtually all applications.*
- *Outstanding oxidation stability to assure long service life.*

ITW PERFORMANCE POLYMERS & FLUIDS®
KOREA

ITW

SPECIAL FEATURES

Omega 85 "Shear Sensation Plus" All-Purpose Grease is "Leading-Edge Technology" – the result of extensive and tireless laboratory and field testing by Omega research engineers.

- **Omega 85** has a superior thickener and additives package that ensure unparalleled stability under high-shear conditions.
- **Omega 85** provides true multi-purpose versatility – it's ideal for virtually all applications.
- **Omega 85** greatly reduces the need for re-greasing because of its long service life.

OUTSTANDING PROPERTIES

Omega 85 is the superior all-purpose grease that:

- Won't squeeze out or migrate away from applied surfaces.
- Has a non-metallic thickening system to minmize hardening of the grease due to oxidation of the base oil.
- Is fully compatible with all types of seal materials – avoids difficult seal replacements caused by grease damage.
- Eliminates guesswork and misapplication – all-purpose versatility saves you time and money!

USE FOR

Omega 85 is quality engineered to lubricate virtually any type of equipment. You can safely and confidently use **Omega 85** for almost any type of grease lubrication for reliable and long-lasting results.

Use **Omega 85** for:

• All Types of Bearings • All Types of Machinery and Factory Equipment • All Types of Vehicle Lubrication Requiring a Grease • Marine and Dockside Equipment • And more…

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DESCRIPTION:

Omega 85 "Shear Sensation Plus" (SSP) all-purpose grease is an improved version of unique and continuing Omega research into the development of a single grease to meet virtually any automotive and industrial application. "Shear Sensation Plus" (SSP) is an improved formulation and features the same phenomenal shear stability that remains unmatched by any ordinary grease!

UNMATCHED SHEAR STRENGTH:

Through extensive laboratory and field testing, Omega engineers have further improved the shear stability built into Omega 85 "Shear Sensation Plus", while retaining Omega 85's truly multi-purpose functionality.

INBUILT COMPATIBILITY:

Omega 85 SSP continues to be fully compatible with bearing seal materials such as hytrel, viton and neoprene. It also provides excellent compatibility with soap-thickened greases (such as lithium-based) and will not adversely co-react when used in such applications where residuals of these may remain.

TRUE MULTI-PURPOSE CAPABILITY:

With Omega 85 SSP, there is virtually no limit to application recommendations. It can be applied with superlative lubrication results in automotive and industrial plain and anti-friction bearings, in hot or cold environments and subjected to light, medium or heavy loads - even over super-extended periods of operation.

SUPERIOR TEMPERATURE STABILITY:

Omega 85 "Shear Sensation Plus" (SSP) features an improved dropping point in excess of 520°F (270°C) for the NLGI # 2 grade coupled with the legendary continuously-effective Extreme Pressure performance and thermally-stable base oil. Omega 85 SSP continues to be eminently suited for prolonged superlative lubrication performance at elevated temperatures.

Due to the especially improved high quality base oil used and good penetration properties built into Omega 85, it retains its excellent low temperature lubrication characteristics.

SUPERIOR THICKENER AND ADDITIVES PACKAGE:

Omega 85 SSP's unique, advanced and improved constituents provide outstanding resistance to water and encompasses a "moisture-lock" to provide excellent protection against rust. It therefore effectively tolerates wet working environments. In continuing development testing, Omega 85 SSP retains its superlative properties after 3,000 hours in the ASTM-D-3336 long-life bearing test at 300°F (1,000 hours is already considered outstanding performance) !!!

Omega 85 "Shear Sensation Plus" continues to stand out as a superior multi- purpose grease that covers virtually the entire spectrum of lubrication applications in the automotive and industrial field and fully the equal of the widest range of applications, environment and application conditions to be found anywhere.

Omega 85 SSP also continues to provide extended superior performance and represents the highest-level of technical excellence in the field of lubrication ever developed for commercial applications.

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Rev. Date: 9 June, 2020		
Reference: CKL		

TYPICAL DATA:

TEST	ASTM TEST METHOD	TEST RESULT	
		NLGI#2	NLGI#0
Mineral Oil Base: -			
Viscosity, cSt at 40°C (104°F)	D-445	126	126
Viscosity, cSt at 100°C (212°F)	D-445	11.7	11.7
Viscosity Index	D-2270	75	75
Unworked Penetration @ 77°F	D-217	278	362
Worked Penetration: -			
60 Strokes	D-217	280	366
10,000 Strokes	D-217	293	376
100,000 Strokes	D-217	310	-
Dropping Point, °C (°F)	D-2265	270 (520)	257 (495)
Roll Stability (% Change)	D-1831	292 (+4.3)	410 (+10.2)
Rust Prevention	D-1743	Pass	
Timken, OK Load, Lbs	D-2509	60	-
Oil Separation, % Loss	D-1742	0.3	-
Four-Ball Wear Protection, Scar Diameter, mm	D-2266	0.4	0.37
Four-Ball EP Performance			
Load Wear Index	D-2596	100	-
Weld Point, Kgf	D-2596	500	400
Water Washout			
Percentage (%) Loss, @ 100°F		N/A	N/A
Percentage (%) Loss, @ 175°F		2	
Mobility at 0°F, gm/sec	USS Method	0.20	0.64
Operating Temperature Range °C (°F)	-	-10 to 230°C (-14 to 446°F)	
Color	-	Royal Blue	

The characteristics given above are typical of current production only and slight batch to batch variations should be expected.

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