



*The Ultimate Lubricant*

# 85

## **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.

## **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.

## **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.

**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	

**Omega 85 "Shear Sensation Plus" exceeds the requirements of specification NLGI GC/LB (ASTM D-4950).**