

Omega 85

"SHEAR SENSATION PLUS"

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.

TYPICAL DATA:

TEST	ASTM TEST METHOD	TEST RESULT	
		NLGI#2	NLGI#0
Mineral Oil Base: -			
Viscosity, cSt @ 40°C (104°F)	D-445	126	126
Viscosity, cSt @ 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		-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).**

MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910. 1200, Standard must be consulted for specific requirements.

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IDENTITY (As Used on Label and List) OMEGA 85	LAST ASSESSED: 27 July 2009
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SECTION I - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<i>Hazardous Components</i> (Specific Chemical Identity: Common Name(s))	CAS NO.	ACGIH TLV	Other Limits Recommended
Highly refined mineral oil**	64742-65-0	5.0mg/m ³ *	-
Highly refined mineral oil**	64742-52-5	5.0mg/m ³ *	-

SECTION II - PHYSICAL CHARACTERISTICS

<i>Boiling Point</i>	N.A.	<i>Specific Gravity (H₂O = 1)</i>	~0.94
<i>Vapor Pressure (N.A.)</i>	N.A.	<i>Melting Point</i>	N.A.
<i>Vapor Density (AIR = 1)</i>	N.A.	<i>Evaporation Rate (Ether = 1)</i>	N.A.

Solubility in Water Negligible

Appearance and Odor Royal blue semi-solid grease, mineral oil odor.

SECTION III - FIRE AND EXPLOSION HAZARD DATA

<i>Flash Point (Method Used)</i>	<i>Flammable Limits</i>	<i>LEL</i>	<i>UEL</i>
>200°C	N.A.	-	-

Extinguishing Media

Dry chemical, water fog, carbon dioxide, foam, and sand.

Special Fire Fighting Procedures

Fire fighters should wear an approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards

None expected. Autoignition temperature is in excess of 450°C.

SECTION IV - REACTIVITY DATA

<i>Stability</i>	<i>Conditions to Avoid</i>
Stable	None

Incompatibility (Materials to Avoid)

Strong oxidizing agents, hydrogen peroxide, chromic acid, bromine.

Hazardous Decomposition or Products

Incomplete combustion and high temperature thermal decomposition may promote oxides of carbon.

<i>Hazardous Polymerization</i>	<i>Condition to Avoid</i>
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