



Dilmar Oil  
Company

# Ultra CS 460 #2 Grease

Dilmar Ultra CS 460 # 2 Grease is true multipurpose high performance grease. It can be used in any application that calls for NLGI #2 grease. It is the latest development in the grease industry and is considered synthetic type grease. It is formulated with synthetic thickeners and is designed to improve several properties over conventional multipurpose greases. Ultra CS 460 # 2 is compatible with most other thickener systems.

Ultra CS 460 # 2 is made with premium quality high VI oils, additives and synthetic thickeners. The thickener is the latest development in the grease industry. Calcium Complex thickeners offer performance properties never before available in a multipurpose grease. First among these is incredible corrosion protection.

Calcium

Sulfonates are known worldwide for their corrosion protection. As part of the thickener system there is a significant amount of Calcium Sulfonate in Ultra CS 460 # 2.

This # 2 grease is a completely shear stable. There is no loss of thickening power over 100,000 cycles in a grease working test. This offers long re-greasing intervals in high speed bearings.

It also offers a very high dropping point. It can be used in any high temperature applications suitable for petroleum base grease. High polymer content makes this grease exceptionally water resistant. It has superb water washout and water spray off protection. Combined with the corrosion protection, these properties make this product an excellent grease for marine applications. The Calcium Sulfonate Complex thickener will also tend to keep machine parts free from deposits.

With excellent EP properties, Dilmar Ultra CS 460 # 2 grease can withstand the toughest load conditions offered by off road machinery. It is excellent for chassis lubrication on heavy trucks. The EP performance is provided by liquid EP additives. This grease does not contain Moly disulfide.

## **Features**

- A TRUE PREMIUM QUALITY MULTIPURPOSE GREASE
- EXCELLENT FOR DISC BRAKE WHEEL BEARING APPLICATIONS
- ULTRA MODERN CALCIUM COMPLEX THICKENER
- SHEAR STABLE OVER THOUSANDS OF CYCLES
- VERY HIGH DROPPING POINT – A GOOD HIGH TEMPERATURE GREASE
- HIGH EP
- NO MOLY DISULFIDE
- OUTSTANDING WATER RESISTANCE
- OUTSTANDING CORROSION PROTECION

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**Typical Test Data**

Test	Method	Typical Results
Color		Green
Texture		Smooth
Penetration @ 77°F Unworked	D217	276
Worked 60 Strokes	D217	279
Worked 10,000 Strokes	D217	284
Worked 1000,000 Strokes	D217	287
Roll Stability Penetration (% Change)	D1831	293 (+5.0)
Low Temperature Torque, 1 Min., -40°C, NM	D4693	9.00
Low Temperature Mobility – US Steel Method, 0°F., Grams/Minute (Steel Industry Minimum Specifications 3 to 5 Grams/Minute)		14
Dropping Point °C, (°F)	D2265	288 (550+)
Four Ball Wear Scar Diameter, mm	D2266	0.45
Four Ball Load Wear Index	D2596	75
Four Ball Weld Point, Kgf	D2596	800
Fafnir Bearing Weight Loss, 22 Hr @ RT, mg loss	D4170	6
Timken OK Load, Lbs.	D2509	65
Wheel Bearing Life Test, Hrs.	D3527	100
Wheel Bearing Leakage, 20 Hr, 160 C, 1000rp	D4290	4
Seal Compatibility Elastomer CR, 70 Hr., 100 C Hardness Change, % Volume Change, %	D4289	0 7.7
Elastomer NBR-L, 70 Hr. 150 C., Hardness Change, % Volume Change, %		2.8 -3
Rust Prevention Rating, Salt Water	D1743	Pass
Rust Prevention Rating, DI Water	D1743	Pass
Water Washout @ 175° F, %	D1264	0.50
Oil Separation, % Loss	D1742	0.50
Base Oil Viscosity @ 100° C., cSt. Viscosity @ 40° C., cSt. Viscosity Index	D445 D445 D2270	31.5 460 95

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