



Ultra-Duty HD 0, 1, 2

Versatile multipurpose grease for wet conditions

Product Data Sheet



Product description

Ultra-Duty HD are versatile, high pressure greases with good adhesive properties designed for a wide variety of automotive and industrial applications.

Customer benefits

- Shock load protection
- Load-carrying protection
- Corrosion and rust protection
- Water resistant
- Maximum service lubrication

Applications

Ultra-Duty HD greases are recommended for use in automotive and industrial equipment operating under most conditions except where very high operating temperatures are encountered. Typical applications are: mining equipment, construction equipment, material handling equipment, marine deck equipment, marine deck cranes, oil field equipment, offshore drilling equipment, paper machines, dredging equipment, logging equipment, rock quarry equipment, etc., operating in water, mud, or dusty conditions.

Ultra-Duty HD greases will help provide the needed shock load and rust protection and, best of all, they stay put which means less frequent regreasing.

In industrial service, Ultra-Duty HD greases are recommended for use in most types of plain and antifriction bearings from 1-1/2 inch OD to over 16 inch OD, operating at speeds from 50 to 3000 rpm, as well as slides, gears, ways, etc.

Product features:

- **Ultra-Duty HD** greases are versatile, high pressure greases with good adhesive properties designed for a wide variety of automotive and industrial applications. They are manufactured using selected highly refined, high viscosity base oils, a lithium-12 hydroxystearate thickener, rust and oxidation inhibitors, and extreme pressure and tackiness additives. They are red in color and stringy in texture.
- **Ultra-Duty HD** greases provide thicker shock-absorbing oil film protection and greater water resistance than conventional multipurpose greases due to their high viscosity components.
- The high viscosity components and tackiness additive give Ultra-Duty HD greases an excellent adhesive quality which provides a tenacious lubricating film in working parts. The lubricants stay in place under abrasive operating conditions to resist water washout and shock load wear.

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Typical test data

ULTRA-DUTY HD 0, 1, 2		0	1	2
Product Code	ASTM	540937	510888	510889
Operating Temperature, °C (°F)				
Minimum ^a		-26	-26	-26
Minimum ^b		132	138	134
ISO Viscosity Grade		460	460	460
Base Oil Equivalent				
Base Oil Viscosity, Kinematic				
cSt @ 40°C	D445	460	460	460
cSt @ 100°C	D445	31	31	31
Base Oil Viscosity Index	D2770	97	97	97
Thickener Type, m%		Calcium Sulfonate Complex	Calcium Sulfonate Complex	Calcium Sulfonate Complex
Penetration, at 25°C Worked (60 strokes)	D217	360	325	280
Dropping Point, °C	D2265	171	171	190
Four Ball, Weld point, kgf	D2596	315	315	315
Four Ball Wear Scar, mm	D2266	0.45	0.45	0.45
Timken Ok Load, lb	D2590	55	70	70
Lincoln Venmeter, psg at 30 s, at	K95400			
24°C		100	100	280
-1°C		200	400	600
-18°C		1700	1750	250
Flash Point, °C	D92	274	274	274
Water Washout, wt% loss at 80°C	D1264	15	10	7
Water Spray-off, wt% at 38°C	D4049	N/A	40	25
Oil Separation, wt%	D1742	5	4	7
Thickener, %		5.6	7.2	8.6
Type		Lithium	Lithium	Lithium
Texture		Stringy	Stringy	Stringy
Color		Red	Red	Red

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.

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: Africa, Middle East and Pakistan.

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 www.caltexoils.com.

For more information, go to www.chevronlubricants.com

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