



Gear Oils



Elixir Full Synthetic GL-5 75W-90 - Elixir Tri-Vis Plus+ MP Hypoid GL-5 75W-85W-140 - Limited Slip MP Hypoid LS GL-5 Gear Oil Hypoid Gear Multi-Purpose GL-5 Lubricant SMG Lubricant GL-1 - Limited Slip Axle Concentrate



AMALIE® Elixir Full Synthetic GL-5 75W-90 is the ultimate gear oil system providing maximum protection for all gear sets as well as helping to improve fuel economy while promoting longer gear life. This formulation is rated MT-1 and is excellent for manual transmissions requiring a GL-4 rated synchromesh additive system. The special additive system is protective of blonde metals and is friction modified for smooth shifting. **AMALIE** Elixir Full Synthetic GL-5 75W-90 is a 100% synthetic base oil product coupled with a robust additive system and an improved viscosity modifier. It provides a high viscosity index, low pour-point, reduced friction, fuel savings, better low temperature start-up protection and longer life than most conventional gear oils. **AMALIE** Elixir Full Synthetic GL-5 75W-90 is formulated with limited slip additives eliminating the need for the addition of aftermarket limited slip additive. This superior gear oil is formulated to meet the requirements of the American Petroleum Institute's (API) Service Classification GL-5 and MT-1; MIL-PRF-2105E; SAE J-2360: Dana Corp. (including Eaton Axles); Eaton 750,000 mile warranty coverage and 500,000 mile oil drain intervals capabilities; General Electric D 50E9C; (P&H) 474; Mack Truck GO-J Plus; Arvin Meritor, and Rockwell Axles including the International 0-76-E.

AMALIE® Elixir Tri-Vis Plus GL-5 75W-85W-140 is a superior, high performance, full synthetic, multi-purpose automotive gear lubricant formulated to excel in severe-duty applications. Because of its robust additive system, the use of 100% synthetic base stocks and its scientifically improved shear-stable viscosity modifier it will give extended-service life protection in a multitude of severe duty applications and operating conditions including cold weather. The advanced engineering of this formula will provide excellent protection against wear, corrosion and thermal oxidative degradation and is formulated with limited slip additives eliminating the need for addition of aftermarket limited slip additive. Its unique EP package provides the best in protection against pitting, scoring and wear and is formulated to meet the requirements of the American Petroleum Institute's (API) Service Classification GL-5 and MT-1; MIL-PRF-2105E; SAE J-2360: Dana Corp. and Mack Truck GO-J.

AMALIE® Hypoid Gear Multi-Purpose GL-5 is a premium gear lubricant for light and heavy duty axles and heavy duty non-synchronized transmissions. Features include excellent thermal and oxidation stability, compatibility with seal materials, proven heavy duty transmission performance, superior copper corrosion protection, demulsibility and foam suppression, and superior storage stability. In addition these GL-5 gear oils have exceptional EP protection and durability. With all this it is also the most price/performance competitive system used in the industry; it exceeds the performance needs of OEM final drive builders calling out API GL-5, MT-1, Mil-Prf-2105E, PG-2, and Mack GO-J.

AMALIE® Limited Slip MP Hypoid LS GL-5 Gear Oil meets the API GL-5 hypoid gear performance classification, and the features listed for hypoid gear multipurpose plus it contains limited-slip (LS) chemistry to prevent/reduce differential chatter as well as being formulated from the highest quality base oils and a new and improved GL-5 additive system.

AMALIE® SMG Lubricant GL-1 is a high quality straight mineral gear oil formulated to meet the API GL-1 performance classification and to satisfy the basic gear oil demands of many high-performance over-the-road transmissions as well as many older transmission units.

AMALIE® Limited Slip Axle Concentrate is a high-performance, highly concentrated gear oil supplement and friction modifier additive package that may be used to help treat limited-slip axles that have chatter problems.

Some performance levels are limited by viscosity grades. Please consult the Performance Application Chart, the Inspection Data Table for the appropriate product or contact your Regional Manager for more complete information and recommendations. Consult your Regional Manager for specific pack sizes and product availability.

TYPICAL INSPECTION DATA

	API Gravity	Flash Point,C.	Viscosity, cSt.		VI	Brookfield Viscosity, cP.			Pour Point,C
			@100°C	@40°C		@-40C	@-26C	@-12C	
Elixir Full Synthetic GL-5									
75W-90	34.0	210	14.5	80.0	180	<120,000	-	-	-45
Tri-Vis Plus+ MP Hypoid GL-5									
75W-85W-140	34.0	200	27.0	175.0	180	<120,000	-	-	-45
Limited Slip MP Hypoid LS GL-5									
80W-90	27.5	230	14.90	148.0	100	-	<150,000	-	-36
Hypoid Gear Multi-Purpose GL-5									
75W	28.0	190	5.5	32.0	110	<150,000	-	-	-45
75W-90	27.6	200	14.00	120.0	116	<150,000	-	-	-45
80W-90	27.6	230	14.20	142.0	97	-	<150,000	-	-30
85W-140	25.5	250	26.20	352.0	98	-	-	<150,000	-24
SMG Lubricant GL-1									
85W-90	29.0	230	-	-	-	-	-	<150,000	-
140	31.0	250	145.00	300.0	460	-	-	-	-
250	27.0	250	-	-	-	-	-	-	-
Limited Slip Axle Concentrate	22.3	240	6.00	30.0	132	-	-	-	-

PERFORMANCE APPLICATION CHART

SPECIFICATIONS	Elixir Full Synthetic GL-5	Tri-Vis Plus+ MP Hypoid GL-5	Limited Slip MP Hypoid LS GL-5	Hypoid Gear MP GL-5	SMG Lubricant GL-1	Limit Slip Axle Concentrate
API:						
GL-1	√	√	√	√	√	-
GL-2/3	√	√	√	√	-	-
GL-4	√	√	√	√	-	-
GL-5	√	√	√	√	-	-
MT-1	√	√	√	√		
Mil-PRF-2105E	√	√	√	√	-	-
Mack GO-J	√	√	√	√	-	-
Mack GO-J Plus	√	-	-	-	-	-
Limited Slip:						
M2C119A	√	-	√	-	-	*See below
M2C154A	√	-	√	-	-	*See below
Outboards and Stern Drives	√	√	√	√	-	-

* Add 2 ounces per quart needed to passenger car LS axle for noise reduction
(Add 4 ounces per quart needed for heavy duty truck axles)

1/02/2014

The data presented herein are believed to be accurate; however, AMALIE OIL COMPANY shall not be liable for its content and makes no warranty with respect thereto.

AMALIE OIL COMPANY • 1601 McCloskey Blvd. • Tampa, FL 33605, U.S.A. • Telephone 813 248-1988 • Fax 813 248-1488 • info@amalie.com • www.amalie.com