



#### **RED LINE SYNTHETIC OIL**

In 1979, Red Line Synthetic Oil was founded to create lubricants for the racing industry. Today, we manufacture more than 100 quality products, including motor oils, gear oils, transmission fluids, assembly lubes, greases, fuel additives and our popular WaterWetter® cooling additive for the automotive, motorcycle, marine and industrial markets.

We are enthusiasts that stay on top of each market niche, ensuring product recommendations that result in serious performance gains. We use this knowledge of racing to create high-performance products for track cars, street vehicles, motorcycles and powersport vehicles.

#### **QUALITY AND ENGINEERING**

Our experienced engineering staff uses cutting edge technology to respond to the technical challenges of today's performance industry. Red Line formulates full-synthetic oils and advanced additives using the world's finest base stocks. Rather than cutting costs by blending in petroleum products, Red Line's high-performance oils use superior PAO and ester base stocks that provide extreme stability at high temperatures and superior film strength at lower viscosities where more power can be produced.

Every product in this catalog has been thoroughly tested and proven to exceed the demands of the most demanding applications. Visit REDLINEOIL.COM for technical details, application data, safety data sheets and to find a dealer or wholesale distributor near you.

Red Line products perform and protect better than any on the market. No Compromises.

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# **MOTOR OIL COMPARISON**

	PROFESSIONAL-SERIES MOTOR OIL	HIGH-PERFORMANCE MOTOR OIL	HIGH-PERFORMANCE RACE OIL
OVERVIEW	OEM/API approved motor oil for installers and enthusiasts who demand performance and factory warranty protection	Most advanced formulation on the market, engineered for optimum performance and protection, from daily passenger cars to track day use	Competition-only formula for extreme temperature use
RAW MATERIALS/ COMPONENTS	FULL SYNTHETIC - OEM required Group III/Group IV PAO base stocks with ~800 ppm phosphorous	FULL SYNTHETIC - Group IV PAO/Group V ester base stocks with ~1200 ppm phosphorous and ~600 ppm molybdenum	FULL SYNTHETIC - Group IV PAO/Group V ester base stocks with ~2200 ppm phosphorous and ~900 ppm molybdenum
APPLICATIONS	For customers that demand factory warranty approved oil	Daily-driver and performance vehicles, light trucks, marine and anything you want to be more bad ass than your neighbors	Specific viscocities for road racing, stock cars, off-road, drags and dirt track
FEATURES	Factory warranty protection API SN+ to combat low speed pre-ignition in GDI engines Exceeds ILSAC GF-5 and dexos 1 Gen 2 standards	Industry leading high temp/high shear performance Improved mileage and longer drain intervals More horsepower and better wear control	Highest levels of phosphorous for ultimate wear protection Highest levels of molybdenum for ultimate friction reduction Designed to withstand most extreme temperatures Maximizes horsepower and fuel economy
ANTIWEAR-ADDITIVE LEVELS	Approx 800 ppm	Approx 1200 ppm	Approx 2200 ppm
APPLICATIONS	Approved / Certified for BMW, Mercedes-Benz, VW/Audi, Porsche API, dexos 1 Gen 2	Recommended for ACEA & API applications	For racing engines only not for street use due to low detergency and extreme ZDDP levels
VARIETY	5W30 TD and 5W40 for most popular European applications 0W20, 5W20, 5W30, 5W40 DIESEL  Low volatility for reduced oil consumption	More than 15 pinpoint viscosities for specific applications  Lowest NOACK volatility specification for less oil consumption and more consistent viscosity	Specific viscosities for road racing, stock cars, drags and dirt activity  Lowest NOACK volatility specification for less oil consumption and more consistent viscosity
HIGH TEMPERATURE HIGH SHEAR (HTHS)	OEM-approved levels	Industry-leading HTHS figures due to ester base and reduced polymeric thickeners	Industry-leading HTHS figures due to ester base and reduced polymeric thickeners
WEAR REDUCTION	Longlife certification for reduced wear protection following factory drain intervals	Significant wear reduction from reduced friction subsequent lack of heat build-up	Significant wear reduction from reduced friction subsequent lack of heat build-up
	For high- and low-mileage engines, compatible with conventional and synthetics	For high- and low-mileage engines, compatible with conventional and synthetics	For high- and low-mileage engines, compatible with conventional and synthetics
CLEANLINESS	OEM-approved detergency levels	Specially formulated to maximize the suspension of combustion contaminents and reduce harmful emissions	Superior detergency levels compared to other race oils Not designed for long drain intervals or street use

#### ■ PROFESSIONAL-SERIES MOTOR OIL

We asked people who pour our gear oil and ATF, but not our motor oil why they don't put Red Line in their engines. 80% use OEM or API approved oil because the vehicle is under warranty. Professional-Series fully-synthetic motor oils are engineered to OEM specifications and are OEM and API approved. Installers can offer the performance and factory warranty protection customers demand at a lower price point.

#### ■ HIGH-PERFORMANCE MOTOR OIL

Our original best-of-the-best formula is designed for maximum performance and protection, no expense spared. This formula far exceeds the narrow specification bandwidth required for OEM and API approval. This oil is not designed to meet a price point or OEM/API specs, it's designed to be the best motor oil on the market for street, track and off-road use.

#### ■ HIGH-PERFORMANCE RACE OIL

Race Oil is formulated for extreme-temperature competition. We offer specifically formulated viscosities for road racing, stock cars, drags and dirt racing. Designed to prevent heat buildup by significantly reducing friction and wear; Race Oil is for track use only. It has extreme levels of ZDDP and lacks the detergency needed by street cars. Race Oil must be changed more often than High-Performance Motor Oil.

# PROFESSIONAL-SERIES MOTOR OIL

These API-certified motor oils are engineered to Original Equipment Manufacturer specifications. Professional-Series offers a lower price point for installers, yet carries the quality and reputation only Red Line can provide.

#### **PROFESSIONAL-SERIES MOTOR OIL BENEFITS**

- Fully-synthetic OEM- and API-approved formulas
- Exceeds ILSAC GF-5 specifications and OEM Performance
- Excellent low-temp flow during cold starts and thermal stability at high temps
- API SN+ approved products designed to prevent LSPI in turbocharged GDI engines
- Resists oxidation to help prevent sludge
- Low volatility for reduced oil consumption and longer drain intervals













TYPICAL PROPERTIES	5W30TD EURO	5W40 EURO	0W20 dexos	5W20	5W30 dexos	5W40 DIESE
API SERVICE CLASS	SN	SN/SM/SL/CF	SN PLUS	SN	SN PLUS	CK-4/CJ-4/CI-4 PLUS
ACEA SERVICE CLASS	C3-12	A3/B4-12	N/A	N/A	N/A	E9-08/E7-08
VIS @ 40°C, cSt	80	80	45	45.4	64	96
VIS @ 100°C, cSt	12.2	13.3	8.5	8.4	11	14.5
VISCOSITY INDEX	164	168	169	164	165	166
FLASH POINT °C/°F	216 / 421	229 / 444	226 / 438	229 / 444	220 / 428	240 / 464
CCS VISCOSITY, cP @ °C	5700 @ -30	5700 @ -30	5700 @ -35	3650 @ -30	5000 @ -30	6230 @ -30
NOACK	9	11	N/A	N/A	N/A	N/A
HTHS	3.6	3.7	2.7	2.6	3.2	4.2
POUR POINT, °C/°F	-39 / -38	-49 / -56	-40 / -40	-41 / -42	-40 / -40	-48 / -54
PRODUCT NUMBERS						
QT	12224	12904	12804	12814	12204	12714
GAL	N/A	N/A	N/A	N/A	N/A	12715
5 QT	12225	12905	12805	12815	12205	N/A
55 GAL DRUM	12228	12908	12808	12818	12208	12718

**OEM/API-approved motor oil for installers and** enthusiasts who demand performance and factory warranty protection

#### **PROFESSIONAL-SERIES OEM / API APPROVALS**

5W30TD EURO APISN



BMW LL-04 MB-APPROVAL 229.51 PORSCHE C30 VW 507.00/504.00

5W40 EURO APISN

BMW LL-01 MB-APPROVAL 229.5 PORSCHE A40 VW/AUDI 505.00/502.00

0W20 dexos

**API SN RESOURCE** CONSERVING, SN PLUS, DEXOS1™ GEN 2, ILSAC GF-5





API SN RESOURCE CONSERVING SN PLUS ILSAC GF-5

5W30 dexos

API SN RESOURCE CONSERVING, SN PLUS, DEXOS1™ GEN 2, ILSAC GF-5

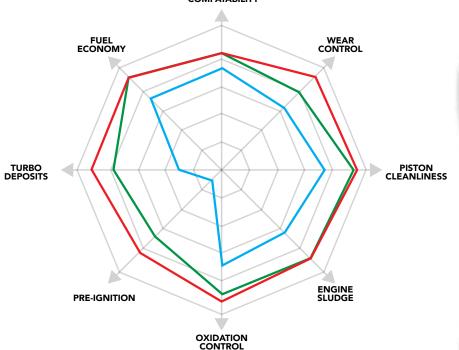


5W40 DIESEL

API CK-4/CJ-4/CI-4 PLUS



RED LINE OIL dexos 1 Gen 2 ILSAC GF-5 PROFESSIONAL-SERIES SN PLUS VS. OTHERS EMISSION COMPATABILITY







0W20 Fully approved under License No. D10851IF085 for service fill in GM vehicles where the OEM specifies dexos1™ oil. 5W30 Fully approved under License No. D10852IF085 for service fill in GM vehicles where the OEM specifies dexos1™ oil. dexos IS A REGISTERED TRADEMARK OF GENERAL MOTORS

# HIGH-PERFORMANCE MOTOR OIL

Red Line High-Performance motor oils are blended using the perfect selection of synthetic ester and synthetic hydrocarbon base stocks.

High-Performance motor oils provide thicker oil films in bearings and cams contacts along with superior antiwear in a long-drain interval lubricant.

Whether it's on the street, on the track or on the dirt, Red Line offers a wide range of viscosities for pinpoint protection for your specific vehicle's needs.

All carry the quality and reputation only Red Line can provide.

All Red Line motor oils are recommended for API SN/SM/SL 15W40 is recommended for the Diesel API CJ-4 spec

#### **HIGH-PERFORMANCE MOTOR OIL BENEFITS**

- Improved fuel economy and better ring seal for more power
- Designed to provide the highest protection, efficiency, cleanliness and superior drain intervals
- Improved wear protection and friction reduction across a wide range of operating conditions
- Blended with polyol ester base stocks that feature natural-grade properties, avoiding unnecessary additives that hinder lubricity
- · All products are completely compatible with other conventional and synthetic motor oils



TYPICAL PROPERTIES	0W20	0W30	0W40	5W20	5W30	5W40	5W50	10W30	10W40	10W50	10W60	15W40 DIESEI	15W50	20W50	EURO 5W30	EURO 5W40
ACEA SERVICE CLASS	A5/B5	A5/B5	A3/B3/B4	A5/B5	A3/B3/B4	A3/B4/E5/E7/E9	A3/B3/B4	A3	C3	C2/C3						
VIS @ 40°C, cSt	48	69	86	53	71	97	130	70	97	123	170	97	138	148	68.5	90.1
VIS @ 100°C, cSt	9.1	11.7	15.4	9	11.9	15.6	21	11.4	15.1	19.7	25.9	14.5	19.6	19.8	11.8	15.2
VISCOSITY INDEX	172	166	190	147	166	174	186	155	164	183	187	155	162	155	164	77
FLASH POINT °C/°F	>150 / >302	>150 / >302	>150 / >302	>150 / >302	>150 / >302	>150 / >302	>150 / >302	>150 / >302	>150 / >302	>150 / >302	>150 / >302	>150 / >302	>150 / >302	>150 / >302	>150 / >302	>150 / >302
CCS VISCOSITY, cP @ °C	55 @ -35	55 @ -35	57 @ -35	60 @ -30	60 @ -30	58 @ -30	60 @ -30	50 @ -25	56 @ -25	65 @ -25	65 @ -25	65 @ -20	65 @ -20	50 @ -15	63 @ -30	58 @ -30
NOACK	9	9	9	8	6	6	6	6	6	6	6	6	6	6	6	6
HTHS	2.9	3.2	4	3	3.7	4.4	5.0	3.5	4.4	5.0	5.8	4.7	5.8	6.1	3.7	4.3
POUR POINT, °C/°F	-60 / -76	-60 / -76	-60 / -76	-45 / -49	-45 / -49	-45 / -49	-45 / -49	-45 / -49	-45 / -49	-45 / -49	-45 / -49	-45 / -49	-45 / -49	-45 / -49	-45 / -49	-45 / -49
PRODUCT NUMBERS																
QT	11804	11114	11104	15204	15304	15404	11604	11304	11404	11204	11704	21404	11504	12504	12304	12404
GAL	11805	11115	11105	15205	15305	15405	11605	11305	11405	N/A	11705	21405	11505	12505	N/A	N/A
5 GAL PAIL	11806*	11116*	11106	15206	15306	15406	11606	11306	11406	11206	11706	21406	11506	12506	N/A	N/A
55 GAL DRUM	11808*	11118*	11108*	15208*	15308	15408	11608	11308	11408	11208	11708	21408	11508	12508	12308	12408

\*SPECIAL ORDER

Most advanced formulation on the market, engineered for long-drain street and track-day use





# HIGH-PERFORMANCE RACE MOTOR OIL

55 GAL DRUM

Red Line Race Oils contain lower detergent and higher antiwear levels for the perfect no-compromise lubricant for engines used in racing. They provide lower friction and better wear protection for increased power and durability.

In comparison to other types of racing, drag racing oils are often on the low and high end of viscosity spectrum, as many engines are normally aspirated and supercharged, respectively Red Line race oils offer drag racers significantly longer drain intervals, more run than with competing products. Call Red Line for more product recommendation for specialized applications.

#### **HIGH-PERFORMANCE RACE OIL BENEFITS**

CONTRACT

MOTOR OIL

- Reformulated for improved frictional properties
- Special detergents for improved lubricity and less detonation
- More than 2000ppm of zinc and phosphorous for antiwear protection of camshaft, valvetrain and other metal parts
- Engineered for use with flat tappet, solid roller, and hydraulic roller valvetrain
- Polyol ester base stocks provide more stability and film strength when exposed to excess fuel dilution
- Improved protection at start-up, lower oil temp, cleanliness
- Each race oil product is a multigrade, offering 2-4% more power than oil of similar viscosity

#### **HIGH-PERFORMANCE DRAG RACE OIL BENEFITS**

- By often comparison to other types of racing, drag racing oils are often on the low and high end of viscosity spectrum,
   as many engines are normally aspirated and supercharged, respectively
- Red Line motor oils offer drag racers significantly longer drain intervals, more run than with competing products

#### **HIGH-PERFORMANCE KARTING OIL BENEFITS**

- 5W20 multigrade that provides balance of wear and ring seal
- Designed to eliminate carbon build up on valves, pistons and chambers
- Avoids DQ at tech inspection due to combustion chamber deposits
- Popular with Briggs, Honda GX, Yamaha F200, Tecumseh, and clones

		RACE OIL			DRAG RACING OIL						
TYPICAL PROPERTIES	30WT	40WT	50WT	5WT	10WT	20WT	60WT	70WT	4-STROKE KART		
PHOSPHORUS, AVG PPM	2000	2200	2050	3350	2450	2000	2000	3100	2000		
ZINC, AVG PPM	2250	2440	2350	2400	2600	2250	2250	2400	2250		
SAE	10W30	15W40	15W50	0W5	0W10	5W20	20W60	N/A	5W20		
VIS @ 40°C, cSt	64	93	135	21.8	29.9	44	197	300	44		
VIS @ 100°C, cSt	10	14.5	19.2	4.6	5.8	7.6	25	33	7.6		
VISCOSITY INDEX	141	162	141	134	138	139	158	150	139		
CCS VISCOSITY, cP @ °C	34 @ -20	33 @ -15	35 @ -15	20 @ -30	30 @ -30	30 @ -25	30 @ -10	N/A	30 @ -25		
NOACK	6	6	6	12	9	6	6	6	6		
POUR POINT °C/°F	-50 / -58	-45 / -49	-45 / -49	-54 / -65	-54 / -65	-50 / -58	-40 / -40	N/A	-50 / -58		
PRODUCT NUMBERS											
QT	10304	10404	10504	10004	10104	10204	10604	N/A	N/A		
GAL	10305	10405	10505	10005	10105	10205	10605	10705	41205		



WARNING. This product can expose you to chemicals including Naphthalene (91-20-3) which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.g

Red Line Race Oils contain lower detergent and higher antiwear levels for the perfect no-compromise lubricant for engines used in racing



# **HIGH-PERFORMANCE ATF**

Red Line ATFs are designed for the perfect shiftability, with the most stable base oils to provide improved durability. Conventional ATFs lose viscosity through the shearing action in the transmission and evaporate at high temperatures. Red Line ATFs are shear-stable and very resistant to evaporation even at extreme temperatures.

#### **HIGH-PERFORMANCE ATF BENEFITS**

- Red Line offers the widest selection of fully-synthetic ATF on the market today
- Each offer improved thermal stability, maintain viscosity levels, and feature lower volatility
  while providing the required frictional characteristics of each fluid's OEM-style replacement
- Reduced oxidation and lower volatility at high temperature
- Allows high-temp operation without varnishing valves and clutches

TYPICAL PROPERTIES	D4	D6	C+	HIGH-TEMP	RACING	LTWT RACING	N-S CVT	DCTF
								_
VIS @ 40°C, cSt	35.1	31	35.1	48.3	35.4	21.46	31	40.72
VIS @ 100°C, cSt	7.1	6.3	7.1	9.5	7.6	4.74	6.3	8.09
VISCOSITY INDEX	188	163	213	220	177	140	165	177
FLASH POINT °C/°F	148 / 298	>150 / >302	148 / 298	140 / 284	>150 / >302	>150 / >302	>150 / >302	>150 / >302
POUR POINT °C/°F	-60 / -76	-60 / -76	-60 / -76	-51 / -60	-50 / -58	-50 / -58	-51 / -60	<-45 / <-50
BROOKFIELD VISCOSITY @ -40°C, POISE	52	45	38	175	150	75	120	85
PRODUCT NUMBERS								
QT	30504	30704	30604	30204	30304	30314	30804	31004
GAL	30505	30705	30605	30205	30305	30316	N/A	N/A
5 GAL PAIL	30506	30706	30606	30206	30306	30318	30806	31006
16 GAL	30507	30707	30607*	30207	N/A	N/A	N/A	N/A
55 GAL DRUM	30508	30708	30608*	30208	N/A	N/A	N/A	N/A

<sup>\*</sup>SPECIAL ORDER

#### **HIGH-PERFORMANCE ATF BENEFITS**

#### D4

 Our most versatile ATF, use where Dexron III®, Dexron II®, Mercon® and Mercon V® fluids are recommended, provides a GL-4 (70W80) level of gear protection

#### D6

- Our lowest viscosity, most shear-stable ATF for consistent operation
- Designed to satisfy Dexron-VI®, Dexron-III®, Dexron-III®, Mercon® SP, Mercon® LV, Mercedes Benz NAG-2 fluids, Toyota WS, NissanMatic S, Honda DW-1®, SP-IV

#### C+

- Satisfies Chrysler ATF+, +2, +3 (Type 7176) and ATF+4 (Type 9602) requirements
- Provides 30% greater operating viscosity and 1/3 the evaporation of Chrysler-style petroleum ATFs

#### **HIGH-TEMP**

- For heavily-loaded vehicles, allowing operation at up to 70°F higher while maintaining thicker viscosity than traditional ATFs
- Use where Dexron III®, Dexron II®, Mercon®, or GL-4 gear oil are recommended
- Dramatically less evaporation, less varnish of valves and clutches in extreme conditions

#### **RACING**

- Similar to a Type F fluid, featuring even higher viscosity and friction modifiers
- Produces faster shifts, quicker lock-up, better converter efficiency at high temps
- Satisfies GL-4 gear oil requirements

#### LIGHTWEIGHT RACING

- Superior consistency and wear protection for Bracket and Heads-Up drag racing transmissions like Powerglide and Turbo 400
- Extreme heat resistance for longer gear and clutch life

#### NON-SLIP CVT

- Specifically, for metal belt CVTs including Audi, Daihatsu, Ford, Mini and Subaru
- Improved metal-to-metal protection in torque-converter clutches

#### DCTF

- Extreme protection for gears and related components
- Better thermal stability and oxidation resistance, improved wear
- Provides extreme protection in many wet and dry-style dual clutch transmissions

Dexron and Mercon are registered trademarks of General Motors and Ford Motors., respectively

With eight different combinations of viscosity, slipperiness, and OE-recommended additive packages, Red Line offers the widest selection of ATF available

SCAN FOR MORE INFO

# HIGH-PERFORMANCE GEAR OIL

Red Line makes gear oils for specific applications, not one type to satisfy most fairly well. Our GL-5 rear differential lubricants contain friction reducers to lubricate limited-slip clutches properly and reduce friction of the ring and pinion. "NS" gear oils are designed for transmission use where synchronizers need the proper friction to synchronize gear shifts. The "MT" series is designed for synchronized gearshift applications where lower sulfur levels are desired.

All formulas have a high viscosity index to deliver relatively constant viscosity with temperature change. Synthetic polyol ester base stocks deliver excellent lubrication under extreme conditions, superior shear and oxidation stability, as well as natural multigrade properties, eliminating the need for unstable thickeners.

Use manufacturer requirements to select applications for passenger car, commercial and racing applications.

#### **GL-4 BENEFITS**

- Excellent gear and synchro protection, balanced slipperiness for easier shifting in cold climates
- Appropriate coefficient of friction for most manual transmission synchronizers
   (other's synthetic gear oils are often too slippery for proper synchro engagement)
- MT-LV, MTL, MT-85 and MT-90 are not for use in differentials with hypoid gears
- Safe for brass and fiber synchros

#### **GL-5 BENEFITS**

- Contains friction modifiers-enough for most limited slip units
- 75W90 is Red Line's most versatile gear oil for passenger cars, some light trucks and racing
- 75W90 is suitable for 80W90 and 90W GL-5 applications
- 75W85 is popular in some late model BMW, Mercedes Benz and Toyota light truck differentials and transfer cases
- 75W140 and 80W140 are popular in high-temp operation, most light trucks, commercial applications, differentials with excessive noise and stock car racing

GI\_ENIC

#### **GL-5 NON-SLIP BENEFITS**

- Contains extreme pressure additives like our 75W90 GL-5 oil, lacks friction modifiers to balance slipperiness
- Designed for transmissions and transaxles helps to slow synchro for easier shifting across a broad temp range
- 75W90NS popular in Porsche and Subaru
- Also used in racing limited-slip differentials (add Limited-Slip Differential Friction Modifier\* to "tune")
- Exceeds API GL-5 specifications
- Safe for use with brass synchros

_		GI	4			GL-5						GL-5N5	
TYPICAL PROPERTIES	MT-LV	MTL®	MT-85	MT-90	75W85	75W90	75W110	75W140	80W140	80W250	75W90NS	75W140NS	
API SERVICE CLASS	GL-4	GL-4	GL-4	GL-4	GL-5+	GL-5+	GL-5+	GL-5+	GL-5+	GL-5+	GL-5+	GL-5+	
SAE VI GRADE (GEAR OIL)	70W / 75W	70W80	75W85	75W90	75W85	75W90	75W110	75W140	80W140	80W250	75W90	75W140	
SAE VI GRADE (MOTOR OIL)	N/A	5W30	5W30	15W40	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
VIS @ 40°C, cSt	29.8	50	62	86	68	112	131	192	227	520	89	162	
VIS @ 100°C, cSt	6.5	10.2	12	15.5	12	16	21	27	26	52	15.6	26.9	
VISCOSITY INDEX	175	201	198	194	171	155	184	191	146	165	185	200	
FLASH POINT, °C / °F	170 / >302	>150 / >302	150 / >302	150 / >302	>150 / >302	226 / 438	>150 / >302	210 / 410	>150 / >302	138 / 280	130 / 266	130 / 266	
POUR POINT, °C / °F	-60 / -76	-50 / -58	-48 / -54	-45 / -49	-45 / -49	-45 / -49	-42 / -44	-45 / -49	-40 / -40	-40 / -40	-45 / -49	-45 / -49	
BROOKFIELD VISCOSITY @ -40°C, POISE	60	120	160	320	300	1100	830	1300	500 @ -26	1150 @ -26	400	1200	
PRODUCT NUMBERS													
QT	50604	50204	50504	50304	50104	57904	57804	57914	58104	N/A	58304	57104	
GAL	50605	50205	50505	50305	50105	57905	N/A	57915	N/A	58605	58305	57105	
5 GAL PAIL	50606	50206	50506	50306	50106	57906	N/A	57916	58106	58606	58306	57106	
16 GAL	50607	50207	50507	50307	50107	57907	N/A	57917	58107	N/A	58307	57107	
55 GAL DRUM	50608	50208	50508	50308	50108	57908	N/A	57918	58108	58608	58308	N/A	

CLE

\*Limited-Slip Differential Friction Modifier - (Page 20)

Synthetic polyol ester base stocks deliver excellent lubrication under extreme conditions as well as superior shear and oxidation stability

SCAN FOR MORE INFO

# SHOCKPROOF®GEAR OIL

#### **SHOCKPROOF BENEFITS**

Acting like a liquid grease, these unique lubricants contain a suspension of solid microscopic particles as an extreme pressure agent, offering a "best of both worlds" balance of low drag and superior protection for gear teeth.

- Unique lubricant with solid microscopic particles offers low drag/high protection
- Relatively low viscosity, yet cushions gear teeth under extreme pressure
- Helps to prevent tooth breakage, resists throw-off
- · Avoid use with pumps, coolers, and filters as unique medium and affinity for metal can cause clogging
- Designed for wet sump transmissions and differentials with splash lubrication



#### SUPERLIGHT SHOCKPROOF

QT 58504 GAL 58505

- Film thickness greater than an SAE 75W90, yet low fluid friction like ATF
- Used in low-power dog-ring racing transaxles with moderate to low load, qualifying, etc.
- Popular in 65cc and 85cc mini motocross bikes



#### LIGHTWEIGHT SHOCKPROOF

QT 58404 GAL 58405 5 GAL PAIL 58406

- Excellent low-temp flow, improved cold shifting
- For racing differentials under moderate loads
- Film thickness greater than an SAE 75W140, yet low fluid friction like 80W gear oil or 30W motor oil
- Used in British F3, Euro F3 and Star Mazda racing gearboxes for ultra-low drag



#### **HEAVY SHOCKPROOF**

QT 58204 GAL 58205 5 GAL PAIL 58206

- Film thickness greater than an SAE 75W250, yet low fluid friction like 75W90
- For heavily-loaded racing differentials and transmission, problem gearboxes
- Most popular ShockProof product, many racing and specialty applications
- Often used in Sprint Car, Midget, and Dirt Late Model Differentials
- Most popular gear oil in NHRA Top Fuel and Funny Car

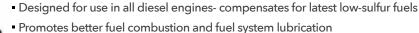


Rather than creating new products in the diesel category, red Line reformulates these products often to ensure that they meet the changing demands of the latest diesel fuels. All Red Line additives comply with federal low-sulfur content requirements. Winter formulas use pour-point reducers to keep wax in suspension and reduce wax crystals to pass through filters and injectors.



#### **DIESEL FUEL CATALYST** (Same formulation as 85 Plus)

120Z 70102 GAL 70105





Provides faster ignition, reduced detonation and smoke, improved efficiency





#### **85 PLUS / 85 PLUS WINTER**

85 PLUS 120Z 70802 GAL 70805

85 PLUS WINTER 120Z 70902

Lubricates O-rings and seals to increase injector pump life, reduces ring friction

- Contains cetane booster for added power benefits
- Available in winterized formula, reduces pour point of typical fuel by 25°F



#### **RL-2 DIESEL IGNITION IMPROVER**

150Z 70303 GAL 70305 5 GAL PAIL 70306 55 GAL DRUM 70308

• Our most concentrated diesel product, popular for semis, agricultural, fleet tanks



• Contains cetane booster for added power benefits, also winter and summer protection



#### **RL ANTI-GEL**



15

- For diesel operation in extremely cold climates
- Improves low-temp operation preventing crystallization, gelling and freezing
- Helps to prevent cold start issues and plugged filters



#### PROFFESIONAL-SERIES 5W40 DIESEL (PAGE 04)

QT 12714 GAL 12715 55 GAL DRUM 12718

#### PROFFESIONAL-SERIES 5W30TD EURO (PAGE 04)

QT 12224 5 QT 12225 55 GAL DRUM 12228

WARNING. This product can expose you to chemicals including Propylene oxide (75-56-9) which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gc

**HIGH-PERFORMANCE 15W40 DIESEL (PAGE 07)** QT 21404 GAL 21405 5 GAL PAIL 21406 55 GAL DRUM 21408

**DIESEL WATER WETTER® (PAGE 17)** 

150Z 80213

IG. This product can expose you to chemicals including Naphthalene (91-20-3) which is the State of California to cause cancer. For more information go to www.P65Warnings.c

## **SI-1**®

#### COMPLETE FUEL SYSTEM CLEANER 150Z 60103 5 GAL PAIL 60106



- Concentrated with the most powerful high-temp and low-temp detergents available
- Cleans injectors (including GDI), carburetors, valve and combustion chamber deposits
- Cleans to nearly 100% efficiency in once treatment
- Reduces need for octane by up to two points
- Contains synthetic upper cylinder lubricant
- Cleans pollution control valves
- Use one bottle per tank for most effective treatment of neglected vehicle
- Safe for continual use



#### FUEL SYSTEM WATER REMOVER 120Z 60302

- Reduces water from diesel or gasoline systems
- Significantly reduces the freezing point in water in the fuel system
- Also provides excellent fuel lubrication
- Can be used in combination with SI-1 Complete Fuel System Cleaner, Diesel Fuel Catalyst, and 85 Plus

#### ALCOHOL FUEL LUBE 120Z 41102



- Prevents gelling and corrosion in methanol and nitromethane fuel systems
- Lubricates upper cylinder and fuel system, increases power with more ring seal
- Replaces lubrication lost by "wash" of dry fuels
- Not detectable by normal fuel tests, mixes only slight agitation
- Use 1oz per 5 gallons, one bottle treats up to 55 gallons
- Do not use catalytic converters



#### LEAD SUBSTITUTE 120Z 60202 5 GAL PAIL 60206

- Prevents valve seat damage in engines designed for leaded gasoline
- Prolongs the useful life of older engines without updated valve seats
- Cleans carburetor deposits and injectors, safe for catalytic converters
- For racing, marine or off-road use only
- Treats up to 25 gallons



## **WaterWetter®**

#### **SUPERCOOLANT**

120Z 80204



- Rust and corrosion protections allows for use of straight water in racing or reduced antifreeze levels in warm climates
- Compatible with new or used antifreeze (including DEX-COOL™ and long-life verisons) to improve the heat transfer of ethylene and propylene glycol systems
- Cleans and lubricates water pump seals
- Does not lower cooling system below the thermostatically-controlled temperature (effective when the thermostat is wide open, such as in heavy traffic or climbing long grades)
- Reduces rust, corrosion and electrolysis, cleans and lubricates water pump seals
- Satisfies ASTM D2570 and ASTM D1384 corrosion tests for glycol-based antifreezes

**DEX-COOL** is a trademark of General Motors

#### SUPERCOOL®

640Z 80205



- Convenient, premixed coolant for motorcycles, ATVs, karts, etc. -pour and go!
- Compatible with all antifreeze and coolant
- Blended with purified, deionized water and proper WaterWetter percentage
- Doubles the wetting ability of water to improve heat transfer and reduce head temp

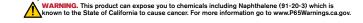
#### **DIESEL WATER WETTER®**

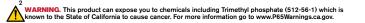
150Z 80213

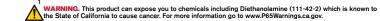
- Designed for heavy-duty diesel engines which use more than 33% antifreeze for a supplemental corrosion package
- Similar properties and benefits to regular WaterWetter, but lacks rust and corrosion inhibitors
- Diesel road cars and light trucks equipped with Cummins, Duramax, and Powerstroke engines should use regular WaterWetter to ensure proper rust and corrosion proitection
- Typical diesel commercial vehicle requires one bottle, treats up to 15 gallons











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# SUSPENSION FLUIDS



Red Line suspension fluids provide excellent shear stability which means they should not degrade with use and will provide lower operating temperatures for the same viscosity when compared to conventional suspension fluids. They are also very low foaming, provide good seal lubricity and antiwear properties and can be blended together in any proportion to achieve an intermediate viscosity.

#### LIKEWATER®

LikeWater® provides the least viscosity change of any suspension fluid on the market

#### **EXTRALIGHT (2.5WT)**

- Extralight-2.5wt is very popular in NASCAR, as well as AMA Motocross
- Works as a more stable replacement fluid for Penske and Ohlins dampeners

#### **LIGHTWEIGHT (5WT)**

• LightWeight is often used in Sprint Car racing, as well as in CORR and SCORE Off Road competition

#### **MEDIUM WEIGHT (10WT)**

Medium-10wt is used on Twin-Tube designs like Pro Shocks, Carerra, and QA1

#### **HEAVYWEIGHT (30WT)**

Popular in plush riding motorcycle forks found on most V-Twins and Cruisers

TYPICAL PROPERTIES	LIKEWATER®	EXTRA LIGHT	LIGHT WT	MEDIUM WT	HEAVY WT
VIS @ 40°C, cSt	5.3	8.3	16.0	32.0	69.0
VIS @ 100°C, cSt	2.3	4.0	7.5	13.6	16.9
VIS CHANGE VS TEMP V 40°C / V 100°C	2.290	2.080	2.136	2.353	4.097
FREEZING POINT °C/°F	-31 / -24	-31 / -24	-33 / -27	-33 / -27	<-50 / <-60
VISCOSITY @ -20°C	24.93	28.15	54.38	126.23	923.73
VISCOSITY INDEX	397	539	519	442	262
PRODUCT NUMBERS					
16OZ	91102	91112	91122	91132	91142
5 GAL PAIL	91106	91116	91126	91136	91146
55 GAL DRUM	91108	91118	91128	91138	91148



# Most stable viscosity of any suspension fluid on the market



# CV-2

#### HIGH-PERFORMANCE EXTREME PRESSURE GREASE 140Z JAR 80401 140Z TUBE 80402 35 LB PAIL 80406

Outperforms the best conventional or synthetic greases and lubes

- Withstands extreme temperature and pressure in wheel bearings, U-joints, and high-angle CV Joints
- Excellent high-temp stability, extreme-pressure protection, and water resistance
- Used in a variety of applications with operating temps from -100°F to 500°F
- Strong resistance to oxidation and corrosion, low evaporation and oil separation with minimum effect on rubber seal
- Contains an organic moly for chassis lubrication and high temp/high speed industrial equipment
- Synthetic fluidity allows increases in bearing life up to 200%
- Will darken after high-temp use -not detrimental to performance





LUBES & GREASES

- Prepares potential wear surface and prevents metal contact before adequate lubrication can be supplied
- Unlike other assembly lubes, Red Line's will not plug filters after initial engine start-up
- Provides 3x greater film strength than conventional black Molybdenum Disulfide greases
- For use on camshafts, lifters, pushrods, piston skirts, bearings, and bolt threads
- Excellent rust and corrosion inhibitor, allows for long-term storage
- Used in the tool trays of major NHRA Top Fuel and Funny Car teams

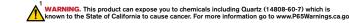
#### LIQUID ASSEMBLY LUBE

• All the features and benefits of Assembly Lube paste, but easier to get into tough spots



120Z 80319





# RED LINE OIL FUNNEL 99239

- Red Line exclusive design
- Popular for tough-to-reach differentials and transmissions





- Improved wear protection, resists thermal breakdown, evaporation and foaming
- Provides continued high pump output, suitable for most power steering units
- Lightweight fluid avoids power loss
- Many popular vehicles take D4 ATF as a power steering fluid



#### **ENGINE OIL BREAK-IN ADDITIVE**

160Z 81403

от 30404

- For use in conventional motor oils lacking zinc, phosphorus (ZDDP) and antiwear additive packages necessary for protecting against excessive camshaft and valvetrain wear during intial break-in
- Simply add to motor oil before start-up
- Treats up to 12 quarts of motor oil



#### LIMITED-SLIP DIFFERENTIAL FRICTION MODIFIER BREAK-IN ADDITIVE

40Z 80301 5 GAL PAIL 80306

- Compatible with both petroleum and synthetic gear oils
- Reduces break-in temps as much as 50°F
- Add 1oz at a time to clutch-type limited slip or posi-traction units to eliminate chatter



#### **AIR TOOL OIL**

80Z 80321

- Protects rotary- and piston-type air tools with a light, thin fluid that holds its viscosity while controlling rust, noise and wear
- As used by Snap-on, Mac and Cornwell teams in NHRA and NASCAR pit crews

**RL-600** 

**BRAKE FLUID DOT 4** 

160Z 90402

- DOT 4 brake fluid formulated with a precise mixture of Borate Esters and Glycol Ethers, plus moisture and corrosion inhibitors
- Utilizing quality raw materials yields a superior fluid resistant to absorption and retention of moisture while providing the best protection against extreme temperatures
- Blendable with DOT 3, DOT 4 and DOT 5.1 fluids, RL-600 decreases ABS cycle times for more responsive and consistent pedal feel
- For passenger vehicles, as well as race cars and motorcycles, track day project cars and other motorsport activity
- Improved wear protection, resists thermal breakdown, evaporation and foaming
- Provides continued high pump output, suitable for most power steering units
- Lightweight fluid avoids power loss

Why pay more when RL-600 delivers a solid pedal / lever for a whole lot less?



MORE INFO

MISC PRODUCTS

# MADE FOR POWER. OBVIOUSLY.

Conventional automotive lubricants are not designed to withstand the chopping and shearing action of the transmission in powersports equipment and will quickly lose viscosity. Red Line motorcycle and powersports lubricants are designed to resist the shearing action and keep the viscosity within the desired specification, providing superior wear protection.

#### **POWERSPORTS GEAR OIL**



#### V-TWIN TRANSMISSION OIL WITH SHOCKPROOF®

от 42804

- Dampens transmission noise and shifting "clunk"
- Lowers temperature, provides thicker oil film between gear teeth and resists throw-off
- For all H-D® trans and aftermarket versions like Baker, JIMS, S&S, etc.
- Flows like 75W90, protects like 75W250



#### **V-TWIN PRIMARY CASE OIL**

от 42904

- For primary chaincase with wet-diaphragm spring clutches
- Improves clutch operation while reducing wear and temps
- Reduces effort to find neutral
- For Evolution, Twin Cam and aftermarket engines of similar design



#### 80W MOTORCYCLE GEAR OIL WITH SHOCKPROOF®

от 42704

- Used in most two-stroke trans in motocross and shifter karts
- Provides consistent shifting and wet-clutch operation
- For use Harley-Davidson® Sportster Primary / Transmission Fluid



#### **UTV/ATV GEARCASE OIL**

от 43704

- Fits most late-model Polaris Ranger®/RZR®/ATVs/Arctic Cat/Polaris/ Yamaha snowmobile chaincases
- Replaces AGL and AGL PLUS / Demand Drive/Demand DriveLT/Demand Drive PLUS (not for angle drive)
- Less slippery for improved coefficient of friction and stronger film strength for better protection
- Resists breakdown for extended periods with more consistent viscosity in variable temperatures
- Formulated with extra rust inhibitor for extreme wet conditions

#### SI-1 COMPLETE FUEL SYSTEM CLEANER FOR POWERSPORTS

40Z 60102

- Pour one bottle into a street bike, dirt bike, ATV, or PWC for quick clean-up
- Improves fuel economy, throttle response, hesitation and stalling
- · Concentrated, high-temp detergents clean your carburetors or fuel injectors, fuel lines, tank, intake valves, combustion chambers, fouled plugs
- Cleans deposits on intake valves and combustion chambers, lubricates upper cylinder
- Reduces octane demand and regains lost power and improve fuel economy



OW40 POWERSPORTS OIL QT 42204

10W50 POWERSPORTS OIL or 42604

10W30 MOTORCYCLE OIL

10W40 MOTORCYCLE OIL

20W50 MOTORCYCLE OIL

QT 42404 5 GAL PAIL 42406 55 GAL DRUM 42408

QT 42504 5 GAL PAIL 42506 55 GAL DRUM 42508

20W60 MOTORCYCLE OIL QT 12604 5 GAL PAIL 12606 55 GAL DRUM 12608

- High levels of antiwear chemistry like zinc and phosphorus
- Superior film strength for protection and ring seal
- Less friction modifier for better wet-clutch operation
- Extended drain intervals over other brands
- Full-synthetic with PAO and Ester base stocks
- Suitable for JASO MA applications
- Designed to withstand the chopping and shearing action of the transmission in powersports equipment

#### **RED LINE POWERPACKS®**



### UTV/ATV 90220

Complete kit includes:

- 3 quarts of 10W50 Powersports Motor Oil
- 2 quarts of UTV/ATV Gearcase Oil
- 1 bottle of Water Wetter®
- 1 bottle of Complete Fuel System Cleaner for Powersports
- Red Line Oil Funnel / Sticker Kit / Red Line Oil embroidered hat



20W50 90226 20W60 90231

Complete kit includes:

- 5 quarts of 20W50 or 20W60 Motorcycle Oil
- 1 quart of V-Twin Transmission Oil with ShockProof®
- 1 quart of Primary Case Oil
- 1 bottle of Fuel Injection Cleaner for Powersports
- Red Line Funnel / Sticker Kit / Red Line Oil embroidered hat

SCAN FOR MORE INFO 

H D is registered trademark of Harley-Davidson Corporation

# TWO-STROKE

#### **RED LINE OIL TWO-STROKE BENEFITS**

- Increased power and excellent scuff protection
- Contains ester base oils with the highest film strength and affinity for hot metal
- Provides the lubricating qualities of castors, but with exceptional cleanliness
- Low carbon residue dramatically reduces plug fouling and smoke
- Compatible with reformulated fuels
- Each product is biodegradable and works in both premix or injection systems



#### TWO-STROKE RACING OIL

160Z 40603 GAL 40605 5 GAL PAIL 40606 55 GAL DRUM 40608



- Ultimate in two-cycle performance, extreme cleanliness
- Popular in racing and daily applications like motorcycles, marine, snowmobile racing, etc.
- Dyno proven for gains of 3-5% and more power over longer runs
- High-temp stability prevents deposits on combustion chambers, exhaust ports, upper ring and piston crown



#### TWO-STROKE ALLSPORT OIL

160Z 40803 GAL 40805 5 GAL PAIL 40806 55 GAL DRUM 40808



- Low-cost biodegradable product
- Designed for engines which require a low-ash oil
- Not for use where TC-W oils are recommended
- Up to 3% more power and significantly better bearing life, antiscuff additives to prevent ring sticking, cleaner piston and exhaust ports



#### TWO-STROKE KART OIL

160Z 40403 GAL 40405 5 GAL PAIL 40406 55 GAL DRUM 40408



- More power and better bearing protection than castor bean oils
- Allows operation at up to 25°F greater cylinder head temoerature
- Can mix at higher fuel ratios than other kart oils
- Same chemistry as our Two-Stroke Racing Oil

IG. This product can expose you to chemicals including Naphthalene (91-20-3) which is known to of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

#### TWO-STROKE WATERCRAFT INJECTION OIL

GAL 40705 5 GAL PAIL 40706 55 GAL DRUM 40708

GAL 41005 55 GAL DRUM 41008



- Ash-less biodegradable lubricant for outboards, personal watercraft, etc.
- For use where NMMA TC-W3 lubricants are recommended
- More power, scuff and bearing protection than petroleums and other synthetics



TWO STROKE

#### TWO-STROKE SNOWMOBILE OIL

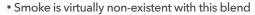
- Low-smoke formula, biodegradable
- Excellent cold flow, injects down to -40°F
- Superior rust protection, adapts to latest pump fuels
- Used as both a pre-mix and as an injected oil in snowmobiles



#### TWO-STROKE SMOKELESS OIL

160Z 40903 GAL 40905 5 GAL PAIL 40906 55 GAL DRUM 40908





- For improved power other Red Line products would be superior
- Not for use where NMMATC-W3 lubricants are recommended



#### TWO-CYCLE ALCOHOL OIL OT 40504

- Mixes with alcohol and/or nitromethane for karting, model airplanes, etc.
- Excellent cleanliness, lubrication and scuff protection use at leaner ratios than with a gasoline two-stroke product

NING. This product can expose you to chemicals including Naphthalene (91-20-3) which is to the State of California to cause cancer. For more information go to www.P65Warnings.c

Contains ester base oils with the highest film strength and affinity for hot metal for increased power



# MERCHANDISE

#### DISPLAY RACK 99212

· Easy construction, fits multiple cases of quarts, gallons and additives 64.5" x 23" x 14.5"



• 14" Aluminum bezel, battery operated







**LANYARD** 

Great for key, hard cards, credentials, etc. Features removable clasp

**SHOP APPRON** 

99321

Black with oval logo and front pocket, adjustable





Pack of 50







99101

4" Oval decal 8" Oval decal 99103 12" Oval decal

99104 18" Oval decal



**BANNER** 

99231

• 3' X 5' Black oval fabric banner



■14" x 19" Non-slip counter mat





• 10' x 10' Black canvas, steel frame (66lbs)

- Oval logo on all four sides
- Includes rolling carry case

#### **BOWHEAD FLAG**

- 8.5' Double-sided polyester, aluminum and fiberglass pole
- Includes hardware and carrying case

**APPAREL** 

#### **BLACK LOGO HOODIE**

Black hooded sweatshirt - small oval on front, large oval logo on back, RED LINE OIL on sleeve



#### **BLACK / WHITE LOGO T-SHIRT**

• Small oval on front and large oval on back



#### **LOGO POLO SHIRT**

Black polo with oval logo on front left chest



	BLACK T-SHIRT	WHITE T-SHIRT	POLO (M)	POLO (W)	HOODIE
SMALL	99350	99360	99330	99406	98320
MEDIUM	99351	99361	99331	99407	98321
LARGE	99352	99362	99332	99408	98322
XL	99353	99363	99333	99409	98323
2XL	99354	99364	99334	N/A	98324
3XL	99355	99365	N/A	N/A	N/A
4XL	99356	99366	N/A	N/A	N/A





S/M 99313 L/XL 99312 SNAP-BACK 99303



99302



# 99311

#### APPLICATION GUIDE

Search our database of more than 200,000 vehicles by year, make and model for motor oil, differential, trans and additive results

#### LATEST NEWS

Find new product releases, racing news, and learn what the world's best racers and tuners are using in their own vehicles

#### DEALER DIRECTORY

Search for a wholesale distributor or retail dealer in the USA and Canada via zip code, as well as international dealers by country

# REDLINEOIL.COM



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