



ENERGY RELEASE®

www.energyrelease.com



Energy Release LLC

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ER ENERGY RELEASE®

INTRODUCTION

Energy Release® (ER®) is a globally recognized brand in the racing and high performance arenas. Energy Release® offers a comprehensive line of automotive chemicals that racing enthusiasts worldwide demand. Energy Release® is superb by itself as an antifriction oil additive and works exceptionally well with lubricants such as oils, greases, hydraulic fluids, gear lubes and machining and cutting fluids. Energy Release® products are currently used by racing teams in such

leagues as the World of Outlaws, Indy Racing League (IRL), National Hot Rod Association (NHRA), NASCAR and Monster Truck as well as motorcycle, dirt bike and snowmobile venues. The ER® product line consists of an antifriction engine treatment, grease products, fuel conditioners and maintenance chemicals. Energy Release® also offers items for metalworking and lawn and garden equipment. ER® chemists can provide custom formulas for specialized applications.

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PRODUCTS THAT PERFORM

ANTIFRICTION METAL CONDITIONER

P001.....	5 fl. oz./148 mL
P002.....	16 fl. oz./473 mL
P003.....	1 US gal./3.78 L
P007.....	8 fl. oz./237 mL
P003-5.....	5 US gal./18.9 L
P003-55.....	55 US gal./207.3 L

TECHNICALLY SPEAKING, ENERGY RELEASE® WORKS LIKE GANGBUSTERS

Every week, it seems, a new use for Energy Release® (ER®) metal conditioner is discovered. A tool company uses an ER® product to extend tap life. A manufacturer of steel chests treats a hydraulic ram with ER® to increase its production capability and decrease galling. A freight company achieves increased engine bearing life of 40% with ER®. An ordinary citizen reports a boost in miles per gallon using an ER®-based fuel conditioner.

To accommodate the widest possible range of applications, Energy Release LLC continues to develop products for specific friction-reducing purposes. At the same time, Energy Release LLC also conducts extensive tests to ensure that the entire ER® family of products is safe, high quality and high performance. The following tests were conducted at various independent laboratories around the United States:

PHYSICAL PROPERTIES: Tested at Southwest Research Institute, San Antonio, Texas, for viscosity, friction reduction, pour points and flash points.

RESULTS: ER® passed stability and compatibility tests. The product remained viscous and pourable at temperatures ranging from -30 °C to 212 °C and would not flash even when exposed to open flame.

ELASTOMERS: Tested according to ISO standards at Fluid Engineering Services, Stillwater, Oklahoma, on the following seal materials: fluorocarbon (Viton), Nitrile (Buna-N), Ethylene Propylene, Neoprene and natural rubber.

RESULTS: ER® passed compatibility, swelling and deterioration tests. Neoprene actually shows a lower percentage of swell when ER® is added.

CORROSION: Tested with oils and greases at Southwest Research Institute, San Antonio, Texas, which is a U.S. government-recognized facility. Tested at a major airline test and process engineering center to determine stock loss when various metals are immersed in ER®.

RESULTS: ER® received an A-1 rating, actually improving the corrosion value of some gear oils. In the United Airlines test, panels of aluminum, steel, titanium and Inconel 7/8 shows no pitting or etching after 24 hours of immersion in ER® fluid.

CONDUCTIVITY: Tested at Chem-Northern, Inc., Billings, Montana, for application in electric motors and utility vehicles.

RESULTS: ER® received a value of less than one-tenth of a micro-ohm per centimeter, showing that it is completely non-conductive. This also confirms a second test, conducted at Western States Equipment Company, Boise, Idaho, that there is no measurable metallic content in the product: no lead, zinc, copper, iron, chrome, aluminum, silicon, molybdenum or magnesium.

COMPATIBILITY: Tested with a variety of lubricating fluids to determine the possibility of detrimental effects when mixed with oils, greases and cutting fluids.

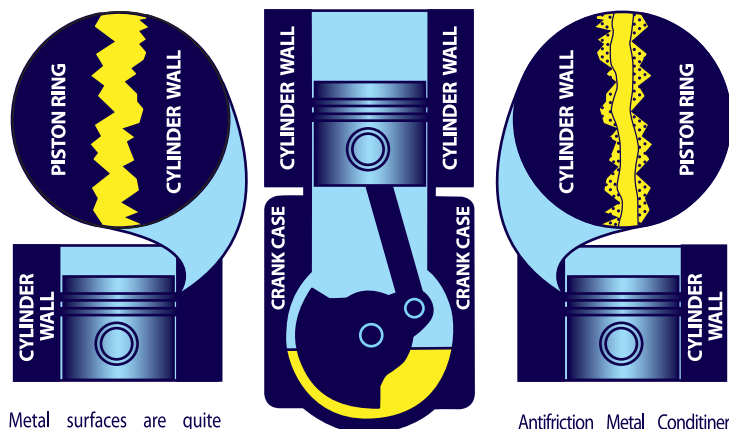
RESULTS: ER® is shown to be compatible with both synthetic and petroleum products, including cutting oils, two-cycle oils, gear oils, way oils, spindle oils, hydraulic fluids, greases, diesel fuels, mineral oils, vegetable oils, transmission fluids and general lubricants, both petroleum and synthetic-based.

HYDRAULICS: Tested by Fluid Engineering Services, Stillwater, Oklahoma, for both volumetric and mechanical efficiency.

RESULTS: ER® attained an incredible 8% increase in efficiency in initial and follow-up studies when added to a hydraulic test system working at pressures over 400 PSI; the maximum increase of efficiency previously tested at the facility had been only 0.5%.



ANTIFRICTION METAL CONDITIONER CREATES SMOOTHER METAL PARTS



Metal surfaces are quite rough (microscopically) and this produces friction, heat and wear.

Normal oil can only withstand a certain amount of heat before it loses its ability to separate or cushion the metal parts.

Antifriction Metal Conditioner chemically affects rough metal surfaces, producing a much smoother and more resistant surface which significantly reduces friction, heat and wear.

Using the same oil, bearing and pressure, these electron microscope photos show that by adding a 16:1 ratio of ER® ANTIFRICTION METAL CONDITIONER the wear has been significantly reduced.



DYNAMOMETER: Tested numerous times at independent laboratories on auto, diesel, truck, tractor and racing engines.

RESULTS: In all these tests with ER®, heat decreased, horsepower and torque increased through a wide power range. ER® lowered the coefficient of friction of regular 10w30 motor oil from .082 to .020, remaining stable and functional at operating temperatures far beyond ordinary lubricants.

MACHINING AND ENERGY RELEASE®

Hand operations (drilling/tapping, etc.) Mix 12% ER® to cutting oil (8:1)
 Automatic Systems using oil-based cutting fluids.....1 fl. oz./qt. (32:1)
 Difficult operations using oil-based cutting fluids.....2 fl. oz./qt. (16:1)
 ER® Cutting and Tapping Spray is excellent for hand operations and difficult machining operations.

SPECIFICATIONS

COEFFICIENT OF FRICTION

- Regular motor oil (10w30).....0.082
 - Motor oil treated with Energy Release®.....0.020
- Energy Release® remains stable and functional at operating temperatures far beyond that of ordinary lubricants.

INDEPENDENT LABORATORY TEST

TEST 1- Stationary Four Ball

- High grade oil only average scar diameter.....0.808 mm
 - High grade oil with ER® average scar diameter.....0.686 mm
- ER® produced significant wear reductions of over 15%.

TEST 2 – Falex Test

Pounds Pressure	Ratchets*	Torque	Ratchets	Torque
100		1	With Energy Release®	
500	111	9	125	8
750	75	15	65	13
1000	65	19	67	15
1250	74	19	76	18
1500	73	22	69	19
4000	1000	51	885	41
4000	1398	51	1287	41

* Pressure created by ratchet movement.

11.5% less ratchets to reach 4000 pounds pressure with ER®.

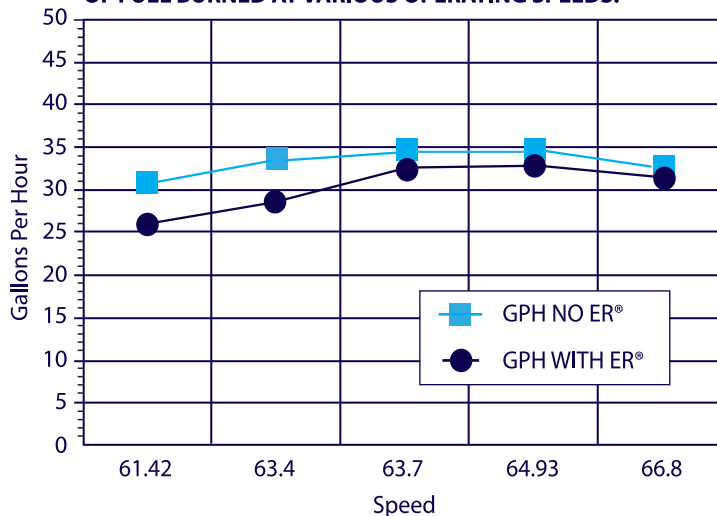
20% less torque at 4000 pounds of pressure with ER®.

Visible wear on test pins showed approximately **200% less wear** with ER® added to high grade oil.

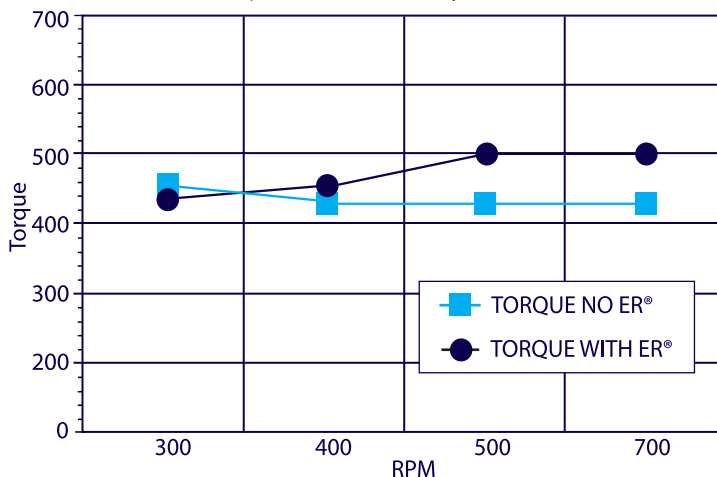
OTHER TESTS

- ASTM 5183 – Coefficient of Friction
- ASTM D-130 – Pass
- ASTM D-2783 – Stationary Four Ball
- ASTM D-2782 – Timken OK Load
- Mercon – Elastomer Test (all materials)
- Caterpillar Seal Test – O-ring and spring pressure seals
- EPA - 600/4-79-020 – Conductivity
- ASTM D-86
- ASTM D-1160
- ASTM D-97
- ASTM D-2602
- ASTM D-524
- ASTM D-3829
- ASTM E659
- ASTM D-70
- ASTM D-92
- ASTM D-2270
- ASTM D-874
- FTM 3470
- ASTM D-1500
- ASTM D-445
- ASTM D-92 C.O.C.
- ASTM D-287
- ASTM 1091
- FTM 203

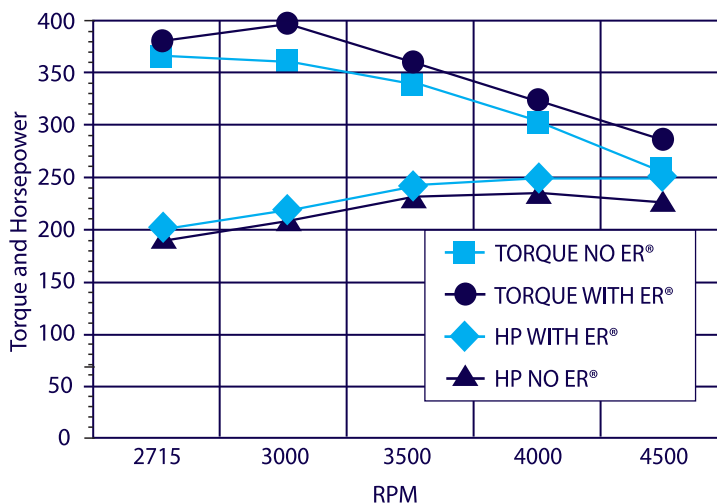
CHASSIS DYNAMOMETER SHOWS DECREASE IN THE AMOUNT OF FUEL BURNED AT VARIOUS OPERATING SPEEDS.



DYNAMOMETER TEST CLEARLY INDICATES THAT ER® CAN INCREASE TORQUE IN YOUR TRUCK, TRACTOR OR RACE CARS.



ER® CONSISTENTLY PRODUCES MORE TORQUE AND HORSEPOWER THROUGH A WIDE POWER RANGE.



PRODUCTS THAT PERFORM

BEARINGS

Oil Bath: (16:1) 60 mL per 946 mL (2 fl. oz./quart)
Grease: Add 8% ER® to existing grease

POWER STEERING/HYDRAULICS

(32:1) 30 mL per 946 mL (1 fl. oz./quart)

ENGINE/CRANKCASE

Crankcase: (16:1) 60 mL per 946 mL (2 fl. oz./quart) of oil initially

Subsequent applications: 30 mL per 946 mL (1 fl. oz./quart)

FUEL (2-cycle): (32:1) 1 fl. oz./quart of 2-cycle oil (mix thoroughly) before adding to gasoline.

**Based upon 5 quart crankcase.*

FUEL

2-stroke: (64:1) 15 mL per 946 mL (.5 fl. oz./quart) of 2-cycle oil (mix thoroughly) before adding to gasoline

4-stroke: (16:1) 60 mL per 946 mL (2 fl. oz./quart)

DIFFERENTIALS/TRANSFER CASES

(Do Not Use with Limited Slip Applications)

Up to 80wt. oil: (16:1) 60 mL per 946 mL (2 fl. oz./quart)

Over 80wt. oil: (8:1) 118 mL per 946 mL (4 fl. oz./quart)

TRANSMISSIONS

Automatic: (64:1) 15 mL per 946 mL (.5 fl. oz./quart)

Manual: (16:1) 60 mL per 946 mL (2 fl. oz./quart)

CUTTING/TAPPING

Apply directly to tool

ITEM#	DESCRIPTION	SIZE	UPC 7 86860+	UNITS IN CASE	QTY PER PALLET	CASES PER PALLET
P001	ANTIFRICTION METAL CONDITIONER	5 fl. oz./148 mL	12001 9	12	3840	320
P002	ANTIFRICTION METAL CONDITIONER	16 fl. oz./473 mL	80002 7	8	1152	144
P003	ANTIFRICTION METAL CONDITIONER	1 US gal./3.78 L	01003 7	4	208	52
P007	ANTIFRICTION METAL CONDITIONER	8 fl. oz./237 mL	12007 1	12	2400	200
P003-5	ANTIFRICTION METAL CONDITIONER	5 US gal./18.9 L	01003 7	-	24	-
P003-55	ANTIFRICTION METAL CONDITIONER	55 US gal./207.3 L	00553 8	-	4	-

DIESEL FUEL SYSTEM CONDITIONER

P030.....16 fl. oz./473 mL

- Cleans dirty injectors
- Passes Cummins® L-10/L-14 injector test
- Controls water pickup
- Improves fuel lubricity
- Prevents corrosion
- Removes deposits

Nothing beats Energy Release® Diesel Fuel System Conditioner for cleaning and maintaining your fuel system. This product is designed to remove and clean power robbing deposits from your fuel system. Energy Release Diesel Fuel System Conditioner provides: lower gel point protection, reduced smoke, restoration of power, cleaner injectors and lubrication of fuel system components.

DIRECTIONS:

Empty entire contents of this bottle into your fuel tank at fill up. This container treats up to 100 gallons of fuel. Subsequent treatments may be necessary for extremely dirty engines.

FUEL INJECTOR CLEANER

P031.....16 fl. oz./473 mL

- Leans fuel injectors and carburetors
- Increases performance
- Smooths rough idle
- Keeps injectors clean

Nothing beats Energy Release® Fuel Injector Cleaner for cleaning plugged, dirty injectors and carburetors and restoring power to your car or truck. Used regularly, Energy Release® Fuel Injector Cleaner maintains your fuel system for better performance and reduced emissions.

DIRECTIONS:

Empty entire contents of container at fill up. Energy Release® Fuel Injector Cleaner is designed to be used regularly to maintain an efficient and clean fuel system.

Note: For extremely dirty engines use Energy Release® Complete Fuel System Cleaner (P032) to remove all fuel system deposits with a single treatment.

COMPLETE FUEL SYSTEM CLEANER

P032.....16 fl. oz./473 mL

- Removes combustion, injector and valve deposits
- Cleans carburetor
- Restores performance
- Reduces emissions
- 3,000 mile treatment

Nothing beats Energy Release® Complete Fuel System Cleaner for restoring power to your car by eliminating power robbing deposits and cleaning clogged injectors and reducing emissions.

Highly concentrated to remove intake valve deposits, remove combustion chamber deposits, clean plugged injectors and carburetors, and reduce emissions. One bottle treats up to 16 gallons of fuel. Results can be attained with just one treatment; however, extremely dirty engines may require a second treatment at next fill up.

DIRECTIONS:

Empty entire contents of container at fill up and add 8 – 16 gallons of gasoline.

Note: To maintain a clean fuel system, use Energy Release Fuel Injector Cleaner (P031).



OFF-ROAD • RACING OCTANE BOOSTER

P033.....16 fl. oz./473 mL

- Boosts horsepower and torque
- Improves acceleration times
- Safe for oxygen sensors and catalytic converters
- Increase of 6 numbers or 60 points
- Use in high performance engines plus marine, industrial, lawn, farm and RVs
- Concentrated fuel system cleaning Energy Release®

Off-Road • Racing Octane Booster modifies the burn speed and flash point of gasoline to create a stable combustion chamber flame front maximizing performance and power. It stabilizes oxygenated and Ethanol enriched gasoline to prevent lean-out conditions. Off-Road • Racing Octane Booster provides needed upper cylinder lubrication that is missing in unleaded gasoline.

DIRECTIONS:

Pour entire contents into fuel tank and then add fuel to ensure complete mixing. One bottle treats 10 to 16 gallons of gasoline. Use caution to avoid spilling on painted surface.



PRODUCTS THAT PERFORM

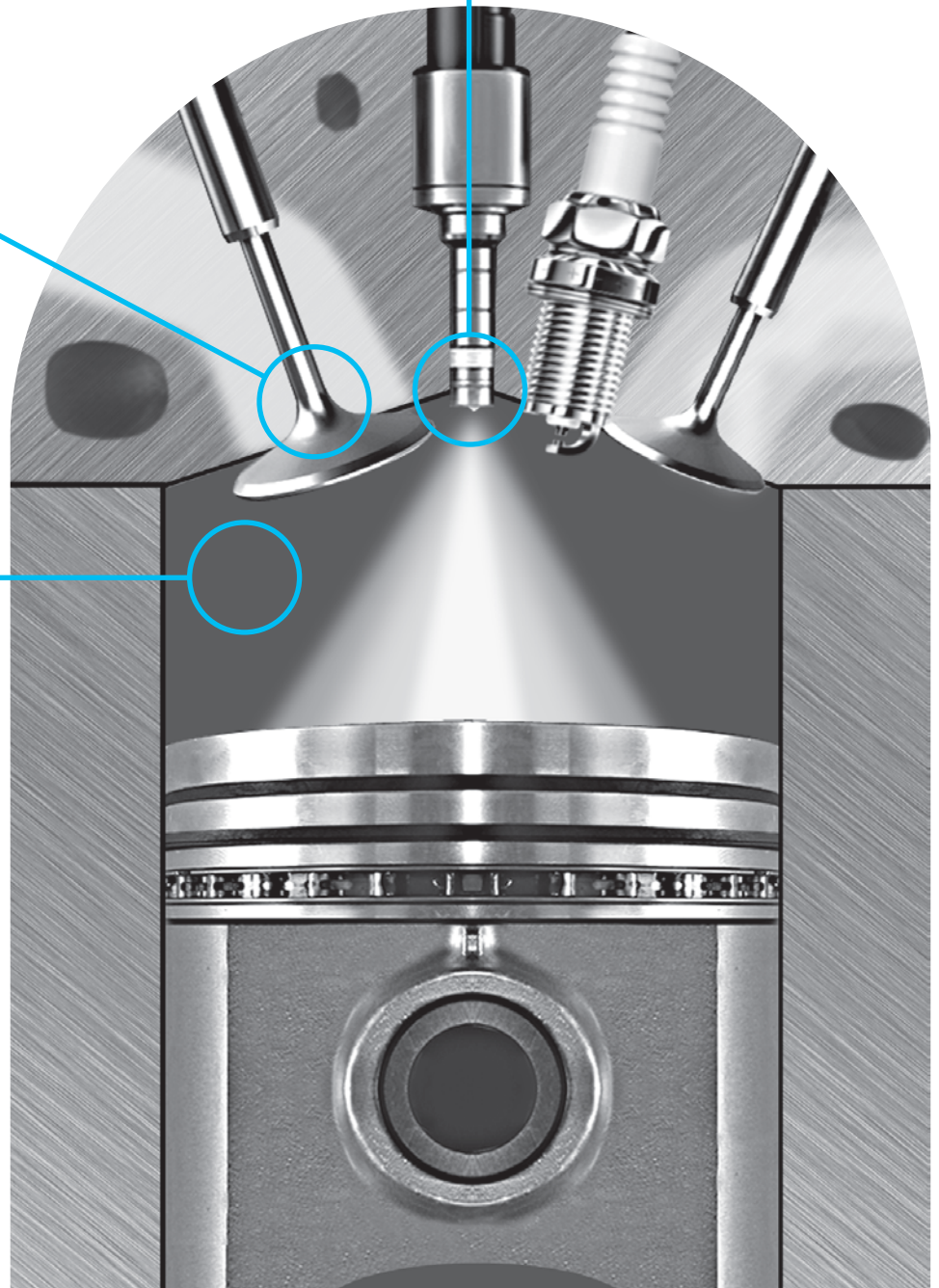
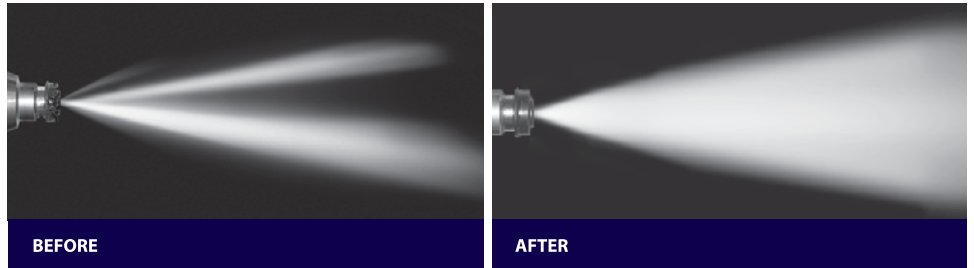
INTAKE VALVE

Deposits on the top restrict the fuel/air mixture. This reduces the volumetric efficiency of the mixture into the combustion chamber and can upset air/fuel mixture during warm up. Deposits can also affect the seating of the valve to the valve port. Symptoms include loss of power, increased emissions, engine surge when cold, unstable idling when cold and poor acceleration.



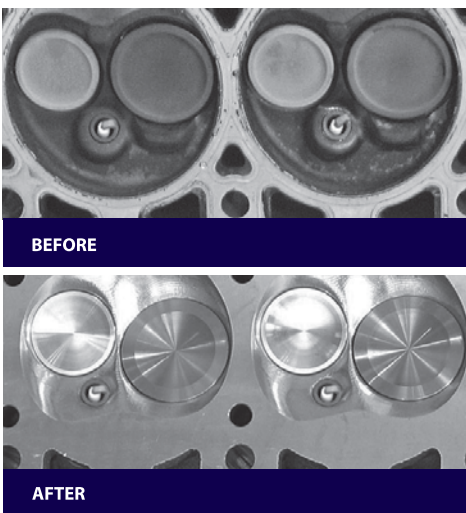
FUEL INJECTOR

Deposits restrict fuel flow upsetting the air/fuel mixture. Symptoms include rough idle, loss of power, poor driveability, poor starting and misfiring.



COMBUSTION CHAMBER

As deposits build, there is an increase in compression pressure and temperature which can decrease the ignition delay of the combustion mixture. Symptoms include knocking, pinging, run-on, poor acceleration, hard starting and an octane requirement increase.



RAPID CLEAN-UP GASOLINE AND DIESEL SUPPLEMENTS

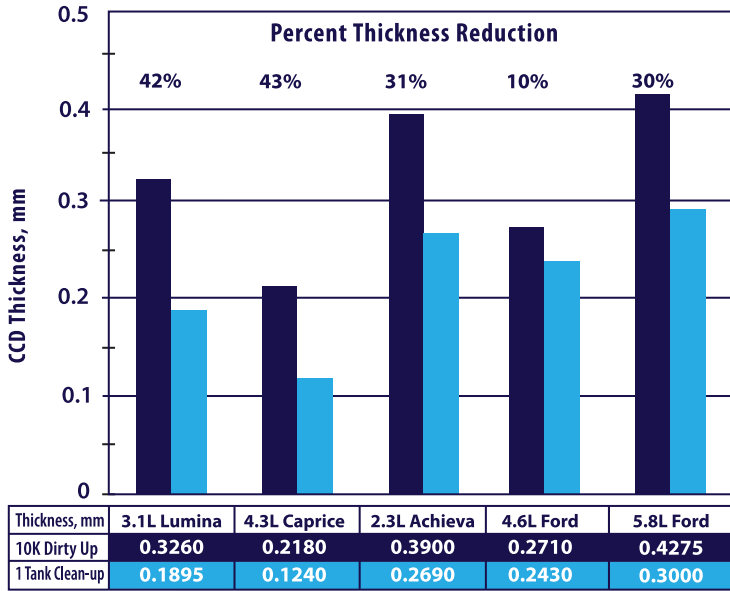
Energy Release® fuel conditioners and cleaners rapidly treat engine deposits in fuel metering system components (port and throttle body fuel injectors or carburetor idle air bleeds and throttle bodies) in the intake manifold, ports and valves. Removal of these intake system deposits can improve drivability, increase fuel economy, restore power and reduce exhaust emissions. Energy Release® fuel system cleaners can also reduce engine knock and run-on by removing combustion chamber deposits and lowering engine octane requirements. Benefits will vary with engine design and operating severity.

SPECIFICATIONS (Active Ingredients)

Chemical Properties Nitrogen Basic, wt., %.....	0.33
Physical Properties	
Density:Kg/Lat 15 °C.....	0.925
LB/USgal. at 60 °F.....	7.70
Flash point (PMCC), °F (°C).....	118 (48)
Viscosity: cSt at 0 °C.....	30.8
cSt at 40 °C.....	7.7
Color, ASTM D-1500.....	1.0

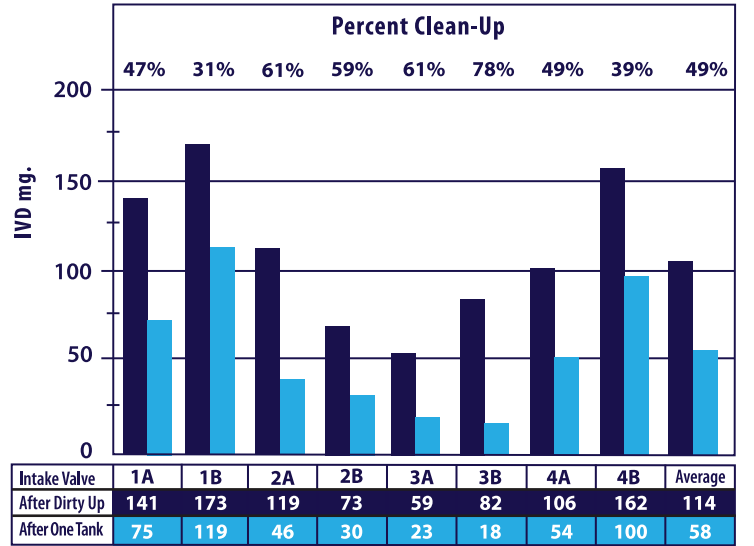
COMBUSTION CHAMBER THICKNESS DEPOSIT REDUCTION WITH ER® COMPLETE FUEL SYSTEM CLEANER

Four Vehicles, One Treatment • Paired Tests Using One Treatment



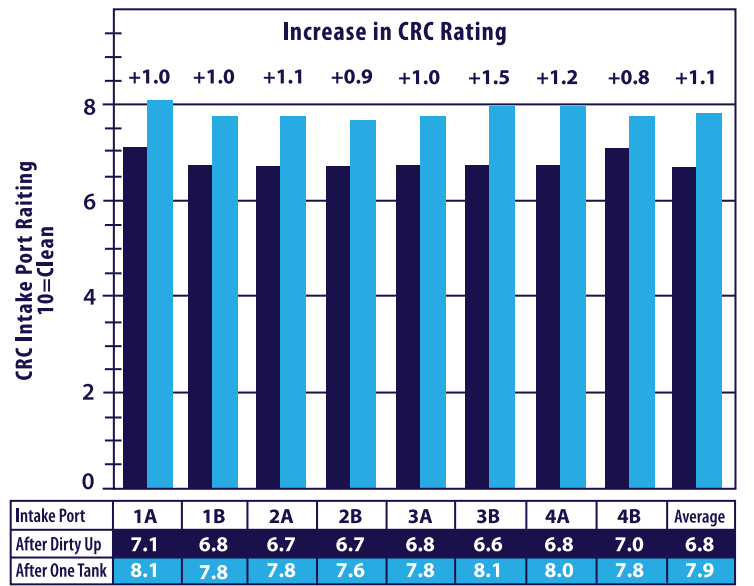
INTAKE VALVE DEPOSIT REDUCTION WITH ER® COMPLETE FUEL SYSTEM CLEANER

Four Vehicles, One Tank IVD Mass Clean-Up (300 Miles)
1992 Toyota Camry 2.2L, PFI, 4 Valve/Cylinder



INTAKE PORT CLEAN-UP WITH ER® COMPLETE FUEL SYSTEM CLEANER

Four Vehicles, One Tank Intake Port Clean-Up (300 Miles) 1992 Toyota Camry 2.2L, PFI, 4 Valve/Cylinder



ITEM#	DESCRIPTION	SIZE	UPC 7 86860+	UNITS IN CASE	QTY PER PALLET	CASES PER PALLET
P030	DIESEL FUEL SYSTEM CONDITIONER	16 fl. oz./473 mL	1 2030 9	6	1368	228
P031	FUEL INJECTOR CLEANER	16 fl. oz./473 mL	1 2031 6	6	1368	228
P032	COMPLETE FUEL SYSTEM CLEANER	16 fl. oz./473 mL	1 2032 3	6	1368	228
P033	OFF-ROAD • RACING OCTANE BOOSTER	16 fl. oz./473 mL	31033 5	6	1368	114

PRODUCTS THAT PERFORM

MOTOR FLUSH

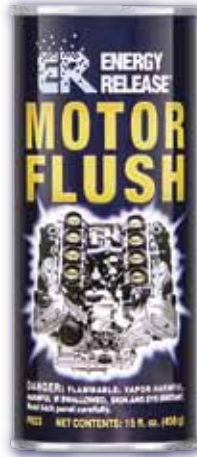
P023.....15 fl. oz./458 mL

- Dissolves sludge and buildup
- Increases horsepower
- Improves fuel economy

Energy Release® Motor Flush thoroughly cleans and conditions the engine's internal components to dissolve and eliminate sludge, gum and varnish buildup. Cleaner valves, rings and oil passages improve horsepower and fuel economy. The ER® Antifriction Metal Conditioner protects and conditions metal surfaces during the cleaning process resulting in reduced friction and increased performance.

DIRECTIONS:

Use ER® Motor Flush immediately before changing the oil. Turn off engine and check oil level to ensure that oil is near "full mark." Leave old oil filter in place during cleaning. Add one can of ER® Motor Flush to oil crankcase. Close oil filler top, start engine and run at normal idle for approximately 5 minutes. Do not drive vehicle or race engine until crankcase has been drained and fresh motor oil is added. Be sure to idle engine in open air or in area where fumes are vented to open air. Shut off engine and drain crankcase immediately. Remove oil filter. Replace drain plug. Install new oil filter and refill crankcase with fresh oil. Start engine and allow to idle 2 to 5 minutes to assure proper circulation of new oil to all vital parts. Do not spill ER® Motor Flush on car finish. Immediately wipe off if spilled.



ITEM#	DESCRIPTION	SIZE	UPC 7 86860+	UNITS IN CASE	QTY PER PALLET	CASES PER PALLET
P023	MOTOR FLUSH	15 fl. oz./458 mL	16023 7	24	1680	70

CITRUS ENGINE DEGREASER PLUS

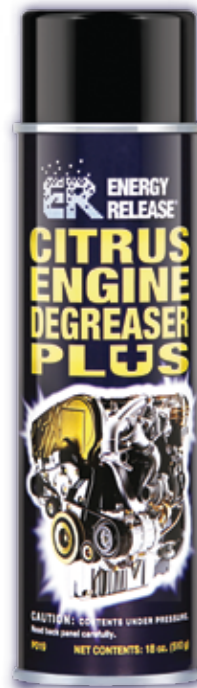
P019.....18 oz. net/510 g

- Rusted bolts and screws
- Engines
- Chassis
- Chainsaws
- Lawn mowers

Energy Release® Citrus Engine Degreaser Plus is a versatile cleaner/degreaser which can be used as a tough engine degreaser or a gentle all purpose cleaner. The citrus-based formula is safe to use on auto parts, tools, machinery and concrete as well as stainless steel and plastic. The product is free of petroleum distillates and is environmentally friendly. This product rinses completely and does not leave any residue.

DIRECTIONS:

Heat engine slightly and apply ER® Citrus Engine Degreaser Plus completely saturating greasy surfaces. Let stand for two minutes then rinse with a high pressure wash. For cleaning other surfaces, simply apply ER® Citrus Engine Degreaser Plus until surface is completely saturated then rinse with water.



ITEM#	DESCRIPTION	SIZE	UPC 7 86860+	UNITS IN CASE	QTY PER PALLET	CASES PER PALLET
P019	CITRUS ENGINE DEGREASER PLUS	18 oz. net/510 g	12019 4	12	1200	100

G-200 HIGH TEMPERATURE SYNTHETIC GREASE

P006, Cartridge.....14.5 oz. net/411 g

P006T, Tub.....16 oz. net/454 g

APPLICATIONS

Severe service requirements such as disc brake wheel bearings, fan hubs, backhoe hinge pins and oven conveyor bearings are examples of applications where Energy Release® G-200 High Temperature Synthetic Grease should be used for excellent results. Mining operations, sand/gravel plants and construction equipment where shock loads are placed on bearings will benefit from the use of ER® G-200. Race drivers report that G-200 significantly outperforms other greases for wheel bearings.

APPROVAL

Spicer Universal Joint Division of Dana Corporation has approved Energy Release® G-200 High Temperature Synthetic Grease as having met M-2006-J specification for High Temperature Lubricant. It also meets the U.S. Department of Agriculture requirements for H-2. It can be used as a lubricant, release agent or anti-rust film on equipment and machine parts in locations in which there is no possibility of the lubricant or lubricated part contacting edible products.

- Heat resistant, melting-point above 550 °F
- Resistant to oxidation, rust and corrosion
- Adhesive; clings to moving parts
- Distinct color for easy identification
- High film strength
- Resists severe loads
- Non-melting
- Water resistant

SPECIFICATIONS

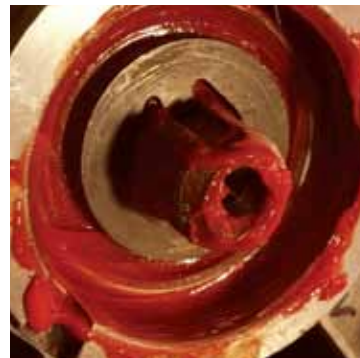
Code Number.....P006
 ThickenerSynthetic
 Cone Penetration (D-217).....265-295
 Dropping Point (D-2262).....550 °F/287. 8 °C Plus
 Wheel Bearing Leakage (D-1263).....Pass, 0.1 gm loss
 Water Wheel Bearing (D-1623 Modified)
 20% Water, 180 °F spindlePass, 1.5 gm loss
 Rust Prevention (D-1743).....1,1,1
 Copper Corrosion (D-1402).....1a Perfect Pass
 Oil Separation (D-1742).....1%
 Oxidation Stability (D-942 @ 100 Hours).....2.0 psi Drop
 Timken OK Load (D-2509).....80 Lbs. Minimum
 Consistency Grade.....NLGI No. 2
 Approximate Temperature Range.....-5 °F to 580 °F (-20 °C to 304 °C)
 Properties of oil plus oil soluble additives:
 Viscosity @ 210 °F, SUS/CST.....188
 Viscosity @ 100 °F, SUS/CST.....4400
 Viscosity Index.....116
 API Gravity @ 60 °F.....22.8
 Flash Point, COC.....580 °F/304 °C



SPRING



BEARINGS



REAR END



BUSHINGS IN THE BOX

ITEM#	DESCRIPTION	SIZE	UPC 7 86860+	UNITS IN CASE	QTY PER PALLET	CASES PER PALLET
P006	G-200 HIGH TEMPERATURE SYNTHETIC GREASE CARTRIDGE	14.5 oz. net/411 g	1 0006 6	10	1280	128
P006T	G-200 HIGH TEMPERATURE SYNTHETIC GREASE TUB	16 oz. net/454 g	1 0060 8	12	1152	96

PRODUCTS THAT PERFORM

G-100 HIGH SPEED LITHIUM GREASE

P006, Cartridge.....14.5 oz. net/411 g

P006T, Tub.....16 oz. net/454 g

- High speed protection
- High EP protection
- High Timken load

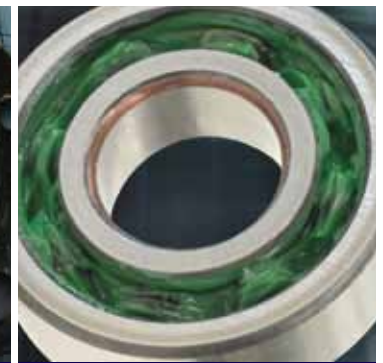
G-100 High Speed Grease is a lithium hydroxystearate soap grease incorporating Energy Release® which imparts the highest possible protection to bearings, slides and in other lubrication requirements. G-100 is a premium automotive and industrial grease that exhibits superior characteristics over a wide temperature range (0 °F to 400 °F) and higher than 1200 RPM. It will not harden or break down under severe working conditions, does not soften excessively at high wheel bearing speeds and has excellent water and rust resistance. G-100 is recommended for lubricating chassis parts, wheel bearings, universal joints, water pumps and grease cups. Typical users are owners of automobiles, boat trailers, construction equipment, agricultural equipment, industrial machinery, fifth wheels and king pins.

TYPICAL SPECIFICATIONS

Code number.....	P008
Color.....	Green
NLGI Grade.....	2
Penetration, 1/10 mm (ASTM D-217)	
Unworked.....	262
60 Stroke	272
10,000 Stroke.....	303
Flash Point, °F.....	430
Drop Point, °F.....	320
Oil Viscosity (ASTM D-445)	
SUS @ 100 °F.....	1100
SUS @ 210 °F.....	85
Oil Separation (ASTM D-1742)	
24 Hour @ 77 °F, %.....	0.4
Coefficient of Friction (Falex LFW-4)	
Dynamic.....	0.70
Static.....	0.107
Timken OK Load, lbs. (ASTM D-2509).....	45
Copper Corrosion (ASTM D-4048).....	1a
Corrosion Protection (ASTM D-1743).....	Pass
Wheel Bearing Leakage, Grams leakage (ASTM D-1263).....	0.9



LOCKING HUB BASE



BEARINGS



STEEL AND ALLOY GEARS



CLUTCH FORK

ITEM#	DESCRIPTION	SIZE	UPC 7 86860+	UNITS IN CASE	QTY PER PALLET	CASES PER PALLET
P008	G-100 HIGH SPEED LITHIUM GREASE CARTRIDGE	14.5 oz. net/411 g	1 0008 0	10	1280	128
P008T	G-100 HIGH SPEED LITHIUM GREASE TUB	16 oz. net/454 g	1 0080 6	12	1152	96

MULTIPURPOSE PENETRATING LUBE

P010.....12 oz. net/340 g

- Rusted bolts and screws
- Squeaky hinges
- Power tools
- Chainsaws
- Electrical motors
- Pulleys

Multipurpose Penetrating Lube incorporates the metal conditioning technology of Energy Release® in a convenient spray form. It works well in high heat applications where ordinary lubricants typically evaporate or burn away. It guards against rust on exposed surfaces, frees bolts and fittings frozen by rust or corrosion and is an excellent antioxidant.

DIRECTIONS:

Spray liberally on rusty or corroded surfaces until area to be treated is completely saturated. Avoid use on plastic materials.



PULLEYS



FITTINGS FROZEN BY RUST

ITEM#	DESCRIPTION	SIZE	UPC 7 86860+	UNITS IN CASE	QTY PER PALLET	CASES PER PALLET
P010	MULTIPURPOSE PENETRATING LUBE	12 oz. net/340 g	12010 1	12	1296	108

CUTTING AND TAPPING FLUID

P011.....13.75 oz. net/390 g

- Industrial machinery
- Bearings and gears
- Engines
- Taps, drills, presses

Cutting and Tapping Fluid is a superior cutting formula containing Energy Release® Antifriction Metal Conditioner which can be applied with ease. It incorporates ER® and helps tools cut through the hardest metals without distortion and tool wear. The fluid reduces heat and clings to tool surfaces providing superior protection to cutters, drills, taps, reamers and punches. ER® Cutting and Tapping Fluid is recommended for use on stainless steel, high nickel alloys and exotic alloys such as Titanium, Hastelloy X, Inconel and Askoloy.

DIRECTIONS:

Spray liberally on cutting tool and material to keep tool clean and cool.



CUTTING AND TAPPING



CUTTING AND TAPPING

ITEM#	DESCRIPTION	SIZE	UPC 7 86860+	UNITS IN CASE	QTY PER PALLET	CASES PER PALLET
P011	CUTTING AND TAPPING FLUID	13.75 oz. net/390 g	12011 8	12	1296	108

PRODUCTS THAT PERFORM

GEAR & CHAIN CLEAR GREASE

P018.....13 oz. net/368 g

- Open gears
- Sliders , chains
- Wire rope
- Guide pins , hinge pins
- Sprockets
- Cogs

Gear & Chain Clear Grease combines a high quality, non-water soluble grease with Energy Release® Antifriction Metal Conditioner to form a protective barrier against moisture and extreme temperature swings. It sprays on thin and tacks up in seconds for superior adherence. ER® Gear & Chain Clear Grease helps to reduce overall wear and prevents rust and corrosion from forming on exposed surfaces. It is recommended for all types of gears and chains.

DIRECTIONS:

Hold can six to eight inches away from surface to be treated and spray. Allow product to penetrate and settle before machinery is used. Avoid use on plastic materials.



CHAIN



SPROCKETS

ITEM#	DESCRIPTION	SIZE	UPC 7 86860+	UNITS IN CASE	QTY PER PALLET	CASES PER PALLET
P018	GEAR & CHAIN CLEAR GREASE	13 oz. net/368 g	12018 7	12	1296	108

P010



FITTINGS FROZEN BY RUST

P011



INDUSTRIAL MACHINERY

P018



OPEN GEARS



CHAINSAW



INDUSTRIAL MACHINERY



TIMING CHAIN AND GEAR

MuddOFF® NON-STICK PRETREATMENT

P600.....22 fl. oz./650 mL

P601.....32 fl. oz./946 mL

NON-STICK PRETREATMENT FOR RECREATIONAL EQUIPMENT

- Prevents mud and dirt from sticking
- Makes cleanup fast and easy
- Prevents corrosion on bare metal surfaces

MuddOFF® is a nontoxic, nonflammable, noncorrosive release agent that keeps mud, dirt and sticky materials from sticking. It is a pretreatment you spray on before using recreational equipment. MuddOFF® leaves a clear, no-stick film that protects nonporous surfaces from sticky materials—making cleanup much easier.

MuddOFF® will NOT harm paint, lettering, stickers, rubber or metal surfaces.

DIRECTIONS:

Use MuddOFF® anywhere buildup of mud, dirt or sticky materials is undesirable. Make sure surfaces are clean and dry before applying. Shake well before using. Spray evenly on desired surfaces. Allow MuddOFF® to turn clear before exposing to the recreational elements. For severe conditions, apply once and allow to turn clear then apply a second coat.

Cleaning: Just spray equipment with a garden hose and debris will wash away. This will also remove some MuddOFF® so it should be reapplied before the next use.

Note: If equipment is cleaned with soaps or chemicals, make sure they are rinsed off and dried before applying MuddOFF®. Residue from cleaners may hinder the effectiveness of MuddOFF®.



PREVENTS MUD AND DIRT FROM STICKING • MAKES CLEANUP FAST AND EASY • PREVENTS CORROSION ON BARE METAL SURFACES

ITEM#	DESCRIPTION	SIZE	UPC 7 84860+	UNITS IN CASE	QTY PER PALLET	CASES PER PALLET
P600	MuddOFF® NON-STICK PRETREATMENT	22 fl. oz./650 mL	12600 4	12	660	55
P601	MuddOFF® NON-STICK PRETREATMENT	32 fl. oz./946 mL	12601 1	12	1008	84

PRODUCTS THAT PERFORM

Stay Clean® NON-STICK PRETREATMENT

P500.....22 fl. oz./650 mL

NON-STICK PRETREATMENT KEEPS THE GRASS OFF!

- Mowers
- Tractors
- Garden tools
- All outdoor power equipment!

Mud • Grass • Paint • Bugs • Tree sap • Bird dropping • Clay • Concrete
• Hundreds of uses

- Keeps mower from clogging
- Reduces buildup of sticky materials
- Prevents corrosion on bare metal surfaces
- Keeps everything looking shiny and new

StayClean® is a nontoxic, nonflammable, noncorrosive release agent that keeps sticky materials from sticking. It is a pretreatment you spray on before you use your equipment. StayClean® leaves a clear, no-stick film that protects nonporous surfaces from sticky material. Stay Clean®'s advanced formula not only prevents rust but also lubricates.

DIRECTIONS:

Use StayClean® ANYWHERE buildup of sticky material is a problem. Make sure surfaces are clean and dry before applying. Shake well before using. Spray evenly on desired surfaces. Allow StayClean® to turn clear before exposing to sticky materials. For especially sticky materials or severe conditions, apply once and allow to turn clear then apply a second coat.

Cleaning: Just spray equipment with a garden hose and all debris will wash away. This will also remove some StayClean®. StayClean® should be reapplied for full protection. If equipment is cleaned with soaps or chemicals, make sure they are rinsed off before applying StayClean®. Residue from cleaners will remove StayClean®.

Note: Before applying or cleaning power equipment, please unplug or remove spark plug.



BEFORE



AFTER

ITEM#	DESCRIPTION	SIZE	UPC 7 86860+	UNITS IN CASE	QTY PER PALLET	CASES PER PALLET
P500	Stay Clean® NON-STICK PRETREATMENT	22 fl. oz./650 mL	12500 7	12	660	55