

DIESEL GUARD
ALL SEASON FUEL CONDITIONER PERFORMANCE KING

Royal Diesel Guard is the fuel conditioner of the future. This all season fuel stabilizer and conditioner responds to the new demands created by low sulfur fuels, as well as satisfying the needs of previous fuel related issues.

- Stabilizes and conditions
- Easier starting at low ambient temperatures
- Reduces misfires
- Reduces exhaust emissions
- Improves fuel economy and power



PRODUCT CODE 6320



FLEET OPERATION

Need answers? Looking for technical support? Having an issue with your equipment? Need a lubricant analysis? Let our problem-solving experts handle your toughest issues. Ask our panel of lubricant experts about your oil and grease questions.

Email us at Expert@royalmfg.com or visit our website to fill out a brief questionnaire that will help us answer your questions in a timely fashion.



TREAT YOUR FLEET LIKE A KING



Royal Manufacturing started over 100 years ago by supplying automotive, farm and oil field lubricants in and around Tulsa, Oklahoma. Royal now supplies a full line of extended duty high performance oils and greases, worldwide, that have proven their ability to outperform most lubricants available for mining, construction and industrial equipment. This includes a full line of synthetic oils and greases, food grade lubricants as well as biodegradable lubricants.



Supplying a comprehensive line of lubricating oils and greases to all of the USA and 24 other countries throughout the world, Royal offers the ultimate in high-quality heavy equipment protection.



©2018 ROYAL™ Mfg Co Lp
 FLT2018

CONTACT US TODAY FOR LUBRICANT ANALYSIS TESTING

516 S. 25TH WEST AVE TULSA , OK 74127 TEL. 918.584.2671 9998 DOERR LANE SCHERTZ, TX 78154 TEL. 210.651.7322



TREAT YOUR FLEET LIKE A KING

For over 100 years Royal has been manufacturing Americas Oil for the toughest applications, in the most demanding industries. Our Royal Expert Research and Development team has formulated a new generation of diesel engine oils to meet the requirements formed by the new API category.

ADVANCED ISOGOLD™ TECHNOLOGY

Royal's Advanced ISOGOLD™ Technology is a proprietary blend of high performance additives engineered to protect and lengthen the life of equipment.

NEW API OIL PERFORMANCE UPGRADE FOR HEAVY DUTY ENGINE OILS

Our **NEW MINERAL** and **SEMI SYNTHETIC** premium grade **CK-4** and **FA-4 DIESEL** engine oils meet or exceed original equipment manufacturer's modern requirements.

- Extend Component Life
- Greater Fuel Economy
- Backwards Compatible (CK-4)
- Oxidation & Shear Stability

Varnish and Sludge Free — keeps your engine cleaner longer, keeps your engine running cooler with less valve train noise.

AMERICA'S OIL SINCE 1914 ROYALMFG.COM INFO@ROYALMFG.COM

HIGH PERFORMANCE SPECIALTY GREASES

ROYAL ULTRA 865M GREASE PERFORMANCE KING

High viscosity base oil and overbased calcium sulfonate complex thickener system fortified with Molybdenum and our proprietary Advanced ISOGOLD™ technology. This is an outstanding performer in the Heavy Duty industry and it meets and exceeds the demanding automotive testing requirements of ASTM D 4950. Meets or exceeds Caterpillar® CAT 5% moly requirements.

- Superior Extreme Pressure properties to protect against heavy shock loads
- 5% Molybdenum and ISOGOLD technology
- Protects from rust under humid and water ingress conditions
- Extends service life of heavy duty equipment



ROYAL ULTRA 865 GREASE PERFORMANCE KING

High performance extreme pressure grease exhibiting outstanding film strength and resistance to corrosive environments. Formulated with premium base oils that provide long life on equipment and protects against chemical and thermal degradation keeping all moving parts free from metal to metal contact, ensuring the best protection even under severe operating conditions.

- Extends service life of equipment
- Excellent high load carrying properties
- Corrosion protection even under extreme humidity and water ingress conditions



ROYAL 876 HD EP GREASE

Royal 876 HD is formulated with a lithium complex base and a high viscosity base oil making this grease the perfect choice for heavy duty applications usually found in the construction industry. This grease will outperform in all heavy duty applications.

ISOGOLD™ Technologies help to provide oil retention on lubricated parts while adding resistance to water washout. In addition, it offers excellent structural and oxidation stability while carrying a Timken 80 lb load rating. Excellent protection for on and off-highway parts like ball joints, drive shafts or any serviceable chassis lubrication point.

- Severe service multipurpose EP lube where heavy base oils are needed
- Tackiness to enhance retention of oils and thickeners
- Used for suspension systems, wheel bearings, universal joints, ball joints, heavy duty ball bearings or anywhere you need a lubrication boundary between metal parts.



ROYAL ULTRA 865 HD GREASE PERFORMANCE KING

Our aerosol greases have been carefully engineered for a highly efficient spray pattern while using our exclusive high performance over-based calcium sulfonate complex grease thickener. This is the same Ultra 865 HD used in our tubes and pails, water resistant and super tacky — now available in an Environmentally-friendly aerosol spray can.

- Suitable for high temperature applications
- Heavy duty grease exhibiting outstanding film strength and outstanding resistance to corrosive environments
- Excellent mechanical stability and superior adhesion to metal surfaces
- Exceptional lubricity, high load carrying capability, thermal stability, rust protection and excellent water washout resistance.



ENGINE OILS

MINERAL

NEW DIESEL SUPREME ULTRA 15W-40 CK-4

This mineral based oil is formulated with the latest technological advancements for the most demanding Diesel engine oil applications. Meets or Exceeds OEM specifications.

API Service Category CK-4.
OEM APPROVALS: Volvo VDS-4.5, Mack EOS-4.5 and Renault VI RLD-4, Detroit Diesel DFS93K223.

- Provides longer drain service in conventional engines by offering a higher oil film thickness, better wear performance and improved oxidation control due to higher operating temperatures for today's modern engine designs.
- The new CK-4 classification includes Royal's Advanced ISOGOLD™ Technology to enhance corrosion protection and oxidation stability for longer engine life and reduced mechanical wear for better performance.



*10W-40 & 10W-30 Not available in 1 & 2 gallons **PRODUCT CODE 1270CK**

SEMI-SYNTHETIC

NEW MONARCH DIESEL ULTRA SEMI-SYN 10W-30 CK-4

A premium high performance semi-synthetic heavy duty diesel engine oil that helps extend your engine's life, even under the most demanding conditions. Formulated with our Advanced ISOGOLD™ Technology for maximum engine protection. Fully backwards compatible, used in new and older engines. Recommended for a variety of heavy duty on-and-off highway applications.

API Service Category CK-4.
OEM APPROVALS: Volvo VDS-4.5, Mack EOS-4.5 and Renault VI RLD-4, Detroit Diesel DFS93K223 oils.

- Longer drain intervals reduce maintenance and downtime while keeping engine cleaner with less sludge and varnish build up
- Improved fuel economy and increased engine wear protection
- High-temp performance, excellent oxidation stability and anti-wear properties



PRODUCT CODE 1320CK

NEW MONARCH DIESEL ULTRA SEMI-SYN 10W-30 FA-4

Premium semi-synthetic heavy duty diesel engine oil designed for heavy / light duty trucks with modern high performance engines that REQUIRE an API FA-4 performance lubricant. These diesel and gasoline engines require specially formulated oils for the most demanding applications requiring API FA-4, CES 20087.

API (FA-4 is not backwards compatible with any other previous diesel engine oil category).

- Improved fuel economy and engine wear protection
- Provides enhanced oxidation and corrosion protection
- Superior cold flow properties and extended drain intervals
- Protects the exhaust catalysts/particulate filters



PRODUCT CODE 1320FA

FULL SYNTHETIC

MONARCH DIESEL ULTRA SYN 5W-40, 10W-30

Formulated with PAO (Polyalphaolefin), these full synthetic base oils utilize our proprietary advanced ISOGOLD™ additive technology. This premium full synthetic heavy-duty diesel engine oil is designed for extended drain service, enhanced film strength, and outstanding thermal and oxidation stability.

- Increased fuel economy and longer oil drain intervals
- Outstanding corrosion protection of critical engine parts in humid conditions
- Excellent extreme weather properties for easier starting in cold weather climates
- Superior shear stability for consistent viscosity control
- Excellent oxidation control reducing sludge and varnishes associated with other oils



*License Pending **PRODUCT CODE 1360P / 1320P**

GAS AND DIESEL ENGINE OILS

DIESEL SUPREME PLUS (CI-4) 10W-30, 15W40, 20W-50

These oils are used in 2 stroke high-speed and four stroke engines designed to meet pre 2004 exhaust emission standards. Diesel Supreme Plus oils are specially formulated for use in early model engines to sustain engine durability and where exhaust gas recirculation is used.

CI-4/SL, CH-4, CG- 4, CF-4, CF, CF-2, SH and SJ. Meets or Exceeds OEM specifications.

- Excellent for earlier API rated gasoline engines
- Outstanding oil for high revving older 2 stroke diesel engines
- Will not harm EGR systems requiring pre 2004 emission standards.



PRODUCT CODE 1060 / 1080 / 1090

TRANSMISSION & GEAR OIL

FULL SYNTHETIC

MONARCH SYNTRAN PLUS 40

A specially formulated synthetic gear lubricant designed for extended drain and severe service in heavy-duty manual transmissions which require a non-EP gear or transmission lubricant. Specially formulated synthetic base stock with a high viscosity index, while providing a low pour point. Monarch Syntran Plus 40 provides superior, year-round performance.

Meets EATON Roadranger - Warranty Coverage

- Provides excellent cold weather performance, smooth shifts, less drag, lower pour points for sub-zero fluid use
- Reduced internal component wear
- Longer transmission and gear box life
- Highly stable when exposed to severe heat, oxidation and severe operating conditions



PRODUCT CODE 8800

MONARCH SYNGEAR PLUS SAE 75W-90, 80W-140

Heavy Duty gear oils formulated with a synthetic base stock, which has a high viscosity index and an exceptionally low pour point. Monarch Syngear Plus is excellent for use in a number of gear related applications that may require high load-carrying abilities.

Meets EATON Roadranger - Warranty Coverage.

- Outstanding Extreme pressure properties
- Rust, oxidation and corrosion inhibitors to protect gears and bearings
- Exceptional performance under a wide variety of load conditions.



PRODUCT CODE 8810

