DuraLec™

Commercial Lubricants
Duralec from Royal Purple is a complete line of high performance lubricants specifically developed for all of your fleet vehicle needs. Duralec Commercial products are the most advanced lubricants in the market today and are formulated to exceed industry standards with superior performance, protection and efficiency. Whether you need heavy-duty motor oils, transmission and hydraulic fluids or an all-purpose grease, Duralec has state-of-the-art technology to keep your fleet running with optimum precision. Duralec’s premium additive packages deliver ultimate protection and peak performance for today’s high tech engines in a multitude of driving conditions.
For nearly 30 years, our formulators have developed products that have set the highest standards for quality and performance in both automotive and industrial applications by focusing exclusively on developing state-of-the-art lubricants.

Unlike companies that primarily focus on fuel and other petroleum byproducts, Royal Purple’s sole mission is to develop products that significantly outperform other synthetic and mineral-based lubricants.

Now with the introduction of Royal Purple’s Duralec Commercial brand, we are set to become the leader in lubrication technology for commercial businesses that value the highest performing products for vehicle applications including over-the-road trucking, construction, mining, agriculture and fleet vehicles.

KEEPING MOTORS WORKING AS HARD AS YOU DO.
**DURALEC ULTRA™**

**ULTRA 10W-30 - ULTRA 15W-40**

Royal Purple Duralec Ultra motor oil is specifically formulated to maximize performance and meet the demands of today's heavy-duty engines. Duralec Ultra is fortified with a high level of zinc/phosphorus anti-wear additive and Royal Purple's proprietary Synerlec® additive technology.

Synerlec creates a tenacious ionic bond with metal surfaces, which protects engines by providing instant wear protection upon startup. This state of the art technology also responds to increased pressure with increased film strength and improves the condition of metal-to-metal contact under severe conditions for greater protection.

Duralec Ultra provides a lower coefficient of friction to save fuel and its synthetic solvency keeps internal engine parts cleaner than detergents alone. With superior oxidation stability that greatly extends drain intervals and minimizes harmful oil degradation, Duralec Ultra outperforms leading synthetics and conventional lubricants for both gasoline and diesel engines.

Duralec Ultra motor oil is recommended for use in both two-cycle and four-cycle diesel applications including automotive, commercial fleet and stationary industrial diesel engines.

---

**DURALEC SUPER™**

**SUPER 5W-30 - SUPER 5W-40**

Royal Purple's Duralec Super motor oil is a high performance synthetic engine oil made for those diesel engines requiring the use of an emissions compliant oil for the 2007 and 2010 emissions equipment such as: DPF's, Catalytic Converters, EGR, and SCR injection with the ultra low sulfur diesel fuels found in North America and Europe.

Royal Purple Duralec Super motor oil is specifically formulated to maximize component life, extend drain intervals and improve fuel performance. As a premium synthetic formulation, Duralec Super has excellent high temperature breakdown resistance and low temperature pumpability to minimize cold induced startup wear. The stable additive package has good soot dispersancy to protect against oil thickening and abrasive wear, provides rust and corrosion protection and helps prevent varnish and sludge formation.

Duralec Super is available in 5W-40, 10W-30 and 15W-40 viscosities.
**DURALEC SG**

**SAE 30 - SAE 40 - SAE 50**

Royal Purple’s Duralec SG Motor Oil combines premium base oils with proprietary additive technologies to create high performance motor oils that optimize engine performance, even under the most severe driving conditions. Duralec SG delivers superior protection and improves performance in gasoline and diesel engines that specify the use of single grade engine oils.

Enhanced additive technology allows Duralec SG to prevent metal-to-metal contact beyond both dexos1™ and ILSAC GF-5 specs. Royal Purple’s proprietary Synerlec additive technology creates a tenacious ionic bond with metal surfaces, which protects engines by providing instant wear protection upon startup and responds to increased pressure with increased film strength.

A low coefficient of friction results in optimized fuel efficiency and patented ZDDP additives optimize the longevity of the emissions catalyst system. Advanced additive technology prevents the white sludge and lubrication starvation that can occur with 20% or higher ethanol fuel.

Royal Purple motor oil is compatible with synthetic and conventional motor oils.

---

**DURALEC ATF**

**HIGH-PERFORMANCE TRANSMISSION FLUID**

Duralec ATF is a synthetic high-performance automatic transmission fluid specially formulated for demanding operating conditions. Its low co-efficient of friction and high film strength help to dramatically reduce heat and wear. Additionally, Duralec ATF is more oxidation-stable than other transmission fluids for longer fluid life.

Automatic transmissions generate a great deal of heat and depend upon the transmission fluid for cooling and protection. More than 90 percent of all automatic transmission failures are caused by overheating; a 20°F reduction in fluid temperature can double the life of the transmission. * Duralec ATF significantly reduces heat to extend the life of your transmission.

Duralec ATF is fully compatible and can be mixed with other automatic transmission fluids; however, for the best results drain or flush the current fluid and then fill with Duralec ATF. **

*Source: Perma Industries, Inc.

**Contact Royal Purple’s Technical Support Department at 888.382.6300 for Transmission Fluid recommendations.**
**DURALEC MTF**

**MTF 10 - MTF 30 - MTF 50**

Duralec MTF manual transmission fluid provides outstanding friction performance with both the metallic and nonmetallic friction materials found in today’s hi-tech powershift transmissions. The frictional characteristics in Royal Purple’s Duralec MTF eliminate excessive brake noise and prevent clutch slippage — even under heavy loads on steep inclines.

Duralec MTF provides excellent low temperature fluidity for easier cold weather starting, superior corrosion and rust protection and maximum foam protection against entrained air. This combined with Royal Purple’s additive technology promotes greater oil life, smoother brake operation, reduced gear wear, controlled powershift transmission friction and more reliable equipment.

Duralec MTF is a blend of premium mineral and synthetic lubricants and meets the requirements of Caterpillar TO-4; Allison C-4, CF-2, CF; Eaton; and Dana manual transmissions.

---

**DURALEC GEAR OIL HD**

**HIGH PERFORMANCE AUTOMOTIVE GEAR OIL**

Duralec Gear Oil HD is an ultra-tough, high performance automotive gear oil designed to provide maximum protection to heavily loaded gears while maximizing power throughout the drive train. Duralec Gear Oil HD outperforms ordinary gear oils by combining the highest quality synthetic oils with Royal Purple’s proprietary Synerlec additive technology. Duralec Gear Oil HD makes gears run smoother, quieter, cooler and longer without overhauls.

Duralec Gear Oil HD is recommended for use in truck and automotive front or rear differentials, manual transmissions and lower gear units of marine engines that specify use of an API GL-5 or GL-4 fluid. It is non-corrosive to soft yellow metals (brass, bronze, copper, etc.) and synchronizer safe.
**DURALEC MPG**

**MULTI-PURPOSE GREASE**

Duralec MPG is a high performance, multi-service, aluminum-complex synthetic grease which significantly increases bearing life and equipment reliability. Duralec MPG is made using a superior blend of synthetic base oils plus Royal Purple's unique, proprietary, noncorrosive Synslide® additive technology.

Duralec MPG satisfies a wide range of grease requirements from the lubrication of bearings to u-joints and general-purpose use. Duralec MPG has superior shear stability, is highly water resistant and performs well at high temperatures. The tough oil film of Duralec MPG coupled with its ability to micro-mend contacting bearing elements provides superior bearing lubrication. It also has excellent oxidation resistance for extended service life and to provide a margin of safety between lubrication intervals.

Duralec MPG is an EP NLGI #2 grease.

**DURALEC UTF**

**ULTIMATE TRACTOR FLUID**

Duralec UTF is a high performance, high film strength, long life, multi-purpose tractor fluid. Duralec UTF offers significant performance advantages over other approved tractor fluids because it contains Royal Purple's proprietary Synerlec® additive technology. Synerlec® additive technology creates a tenacious ionic bond with metal surfaces assuring excellent lubricity and maximum protection.

Duralec UTF is substantially more oxidation stable than other tractor fluids. Its superior ability to resist thermal breakdown and retain proper lubricity allows for greatly extended oil drain intervals and cleaner equipment.

Duralec UTF is recommended for farm tractors and other mobile equipment where one common oil reservoir supplies the transmission, hydraulic system, differentials, wet brakes and / or final drives. It meets the requirements for many manufacturers.*

Duralec UTF is fully compatible and can be mixed with other tractor fluids; however, for best results drain old fluid and fill with Duralec UTF.

*See PRODUCT SHEET for manufacturers list.
**DURALEC HYDRAULIC HD**

HD 32 - HD 46 - HD 68

Durapec Hydraulic HD is a high-performance hydraulic fluid formulated from premium base stocks and advanced additive technology to deliver superior protection and extended equipment life. Durapec Hydraulic HD is formulated with Royal Purple’s proprietary Synerlec® additive technology, proven to make equipment run smoother, cooler, quieter as well as longer and more efficiently. These performance characteristics provide exceptional oxidation stability that greatly extends oil change intervals while keeping systems clean.

Durapec Hydraulic HD’s tough oil film forms an ionic bond on metal surfaces. This tough film not only protects during operation and acts as a preservative oil during shutdown, but also provides instant lubrication on start-up to prevent wear.

Durapec Hydraulic HD consistently lowers operating temperatures and restores smooth, consistent performance to erratically operating hydraulic systems. It greatly increases both the life of the oil and the seals, filters and pumps of hydraulic systems. Durapec Hydraulic HD also exhibits excellent demulsification (water separation) properties, even at high operating temperatures.

**DURALEC COOLANT CONDITIONER HD**

SUPPLEMENTAL COOLANT ADDITIVE

Durapec Coolant Conditioner HD is an entirely unique, new Supplemental Coolant Additive (SCA) for heavy-duty diesel engines that combines the benefits of corrosion protection and temperature reduction – all in one product. It contains advanced corrosion inhibitors that exceed all performance specifications of ASTM D5752 as well as a proprietary surfactant technology. This unique combination of chemistries differentiates it from other SCA’s.

Royal Purple is the only manufacturer to have pioneered the use of a higher nitrile concentration without the associated issues of increased solder corrosion. Durapec Coolant Conditioner HD utilizes a proprietary blend of organic ingredients that provide specific protection for solder corrosion. As such, Durapec Coolant Conditioner HD is able to achieve the best of both worlds. By using higher nitrile concentrations, optimal wet sleeve cylinder liner protection is achieved. And through the use of new, advanced organic ingredients, solder is protected from damage at these higher nitrile concentrations.

Proper application of Durapec Coolant Conditioner HD reduces overall cooling system maintenance costs, and extends the life of radiators, water pumps, intercoolers, and all cooling system components. It also helps prevent overheating, which damages engines and causes expensive equipment downtime. It is compatible with all heavy-duty diesel engine specifications and applications, and can be used with either antifreeze, or straight water coolant.
DURALEC DIESEL OPTIMIZER HD AND HD WINTER

DIESEL PERFORMANCE

Royal Purple’s Duralec Diesel Optimizer HD is a fully synthetic, all-season additive that improves diesel engine operation and reduces fuel costs.

It is formulated for year-round use in all types of medium and heavy-duty diesel engines, and is compatible with any type or grade of diesel fuel, including #1 diesel and #2 diesel, biodiesel and ultra-low-sulfur diesel (ULSD).

Duralec Diesel Optimizer HD is specifically formulated to solve problems associated with today’s new HPCR (High Pressure Common Rail) diesel injection systems. Safe for use with all types of diesel exhaust emission systems equipment, including diesel particulate filters (DPFs) and catalytic converters. Do not pour into Diesel Exhaust Fluid.

Duralec Diesel Optimizer HD Winter is a commercial diesel additive designed for cold weather/winter performance. It contains a cetane booster, anti-gel, proprietary detergent, a demulsifier, fuel stabilizer, de-icer and lubricity ingredients to improve diesel operation in cold winter weather.

Duralec Diesel Optimizer HD Winter reduces CFPP (cold filter plugging point) by up to 38°F, which allows diesels to reliably start/run in the cold temperatures. It increases diesel engine efficiency, reduces engine noise, prevents gelling and fuel filter clogging in cold temps, and improves fuel economy.
PERFORMANCE THAT OUTPERFORMS

ROYAL PURPLE’s line of high performance lubricants, oils and greases is specifically engineered to handle the toughest commercial applications. Our industry experts have strengthened our premium base oils with proprietary additive technologies to create a range of commercial lubrication products that outperform other synthetic and mineral-based oils, including in the most extreme environments.

Royal Purple commercial lubricants consistently deliver a higher level of performance across a wider range of equipment. No other line of synthetic lubricants offers the same kind of energy savings, maintenance savings, and improved productivity as Royal Purple.