

## LE Introduces 5W-40 Synthetic Diesel Engine Oil

*Lubrication Engineers' Monolec Ultra® Syn Heavy Duty Engine Oil Pays for Itself  
with All-Weather Performance, Wear Protection, Fuel Economy*

**WICHITA, Kan. (Oct. 15, 2012)** – New from Lubrication Engineers, Inc., Monolec Ultra® Syn Heavy Duty Engine Oil (8854) is a broad-range multiviscosity synthetic oil for diesel engines that delivers outstanding year-round performance, wear protection, fuel efficiency and extended drains. With its synthetic base oil and exclusive additive package, this new SAE 5W-40 formulation reliably lubricates diesel engines, even in low-temperature conditions, without the shear stability and viscosity problems of conventional diesel engine oils. Its high viscosity index indicates less change in viscosity over a broad operating temperature range.

Monolec Ultra Syn Heavy Duty Engine Oil lubricates important parts faster, prevents wear during operation, and decreases fuel consumption – making it the smart choice for on- and off-road fleet managers and owner operators who want better fuel economy, reliable low-temperature performance, or a combination of both.

Typical applications for Monolec Ultra Syn Heavy Duty Engine Oil include Class 8 tractor trailer trucks as well as construction vehicles and other off-road mobile equipment.

### Benefits of 5W-40 Engine Oil

One of the primary advantages of 5W-40 vs. 15W-40 engine oil is better fuel economy. In a controlled lab setting, GM 6.5L dyno testing showed a 1.5-1.6% fuel economy improvement for 5W-40 oils over SAE 15W-40 oils. Extended oil drains, when combined with oil analysis, offer additional cost-saving potential.

In addition, low-viscosity oils are preferred for low-temperature conditions because of their ability to achieve flow quickly during cold startups. Most engine wear occurs within the first two to five minutes of starting. However, conventional low-viscosity oils have not always provided adequate oil film at operating temperatures. This resulted in increased wear and made it difficult to obtain the OEM approvals needed to safeguard engine warranties.

The improved technology of LE's Monolec 8854 has eliminated this cold-startup problem, enabling it to achieve flow quickly in cold weather and maintain viscosity at operating temperatures. Authorized OEM approvals for Monolec Ultra Syn Heavy Duty Engine Oil include – but are not limited to – Caterpillar®, Cummins®, Detroit™, Mack®, Mercedes-Benz®, Renault®, and Volvo®. Monolec 8854 also provides the necessary protection for modern low-emission engines, per CJ-4 standards.



### **Proprietary Additive**

Available exclusively in LE lubricants, Monolec® wear-reducing additive creates a single molecular lubricating film on metal surfaces, vastly increasing oil film strength without affecting clearances. An invaluable component in LE's engine oils, industrial oils and many of its other lubricants, Monolec allows opposing surfaces to slide by one another, greatly reducing friction, heat and wear.

### **About Lubrication Engineers**

A leader in lubricants since 1951, Lubrication Engineers, Inc., makes reliability easy for its customers, creating solutions for even the toughest lubrication challenges in a variety of industries worldwide. LE boosts profits through longer equipment life, extended service intervals, reduction in energy use, fewer repairs and less inventory. LE's arsenal includes highly trained consultants, technical expertise, a full complement of reliability products and services, and a comprehensive line of enhanced industrial and automotive lubricants manufactured at its plant in Wichita, Kan. The lubricants are formulated from highly refined base oils and proprietary additives, ensuring that they exceed the performance of ordinary oils and greases. Lubrication Engineers operates under an ISO 9001 Certified Quality System.

Call 800-537-7683 or visit [www.LElubricants.com](http://www.LElubricants.com) for more information about this and other LE products and services, or to find an LE consultant near you.

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