

# LUBER FINER<sup>®</sup>

**BUILT TO DO MORE™**

**Heavy-Duty Fuel Filters**



**Featuring**

**TotalTec™**  
**HEAVY-DUTY FUEL FILTERS**



Off-Road



Agriculture



Construction



Fleet



Marine

Light Truck, Automotive, Medium, Heavy-Duty,  
Extended Life and High-Efficiency Filters

# LUBER FINER® Heavy-Duty Fuel

## The Driving Force in Heavy-Duty Filtration

Luber-finer, a division of Champion Laboratories, Inc. is a global manufacturer of heavy-duty filtration products. Luber-finer provides premium filtration solutions for fleets operating vehicles on-highway as well as off-road applications such as heavy construction, mining, agriculture, the oil and gas industry and marine.

Luber-finer combines groundbreaking research and development with award-winning lean manufacturing, marketing and customer support for all your filtration needs. Luber-finer has been a trusted name in filters since 1936, providing high-efficiency performance in the most demanding work environments. From heavy-duty trucks and buses, off-highway vehicles and light commercial vehicles, Luber-finer's entire product line of filters is designed to keep your vehicles and equipment running cleaner, longer.

Whatever filter you choose from our range of oil, air, fuel, hydraulic or coolant filters you can always count on Luber-finer for high quality and performance. The products are manufactured on the same manufacturing processes as our OE filters and therefore are guaranteed to meet OE performance.

**Luber-finer, Built To Do More!**



## Built To Do More.

### "No Bowl" Design Fuel / Water Separator



### The Smart Solution - One Filter Does It All

Luber-finer's advanced OEM design eliminates the work and worry of fuel/water separation and fuel filter maintenance by offering a one-filter replacement solution to the plastic bowl add-on type filters.

### TotalTec Filters Offer Excellent Replacement Value

More efficient filtration and durable, leakproof construction reduces risk of failure due to cracks and breakage. Easier installation reduces downtime and the mess associated with changing plastic bowl fuel filters. These fuel filters are less of a hassle to stock, and they eliminate the need to order and stock separate filters and plastic bowl add-on components.

### Luber-finer Fact

**Avoid substituting an incorrect model or part number!**

Models may look identical but differ by a fraction of an inch – a difference that makes a positive firm seal impossible. Search and compare any part number on [www.luberfiner.com](http://www.luberfiner.com), call our hotline or search on-the-go with our exclusive smart phone apps.

**Luber-finer is Built To Do More.**





# el Filters



## Luber-finer Heavy-Duty Fuel Filters Feature:

- **All-metal housing**  
to withstand higher pulse fatigue and provide higher burst strength
- **High performance media**  
for more dirt-holding capacity and 99% filtering efficiency
- **“No bowl” construction**  
provides a hassle-free alternative to standard fuel/water separators
- **Sensor port**  
for proper OEM sensor replacement
- **Easy turn, user-friendly**  
low torque valve

Order Luber-finer Fuel Filters in Different Options: Standard, Bowl Style or Simply Order TotalTec Filters!



## Top Heavy-Duty Fuel System Tips/Facts

### 1. Fuel Characteristics Have Changed:

Diesel fuel characteristics have undergone numerous changes that can have a severe impact on engine operation and performance. Further changes are being forced by emissions regulations. These changes include restrictions on certain fuel components, such as sulfur. Also with the increases in fuel costs, alternative fuels are becoming more prominent.

### 2. Particulate and Debris in Diesel Fuel:

As diesel fuel is transported and stored, dirt and sludge can form which causes problems for engine fuel management systems. In addition, with the advanced technology being used by today's engine manufacturers, fuel system injection pressures have increased and mechanical tolerances within fuel injection system components have been reduced. Additionally, diesel fuel is increasingly being used as a coolant for today's advanced diesel engines operating at dramatically higher temperatures. This can thermally stress the fuel, which can cause expensive premature component wear.

### 3. Water in Diesel Fuel:

Water enters bulk fuel tanks via condensation, carry-over from fuel distribution systems, leakage through the fill cap, and spill contaminant valve or piping. This can allow significant quantities of water to be pumped into vehicle fuel tanks. As water enters the fuel management systems on diesel engines, many problems can occur, such as low power output, engine shut down, and fuel pump and injector wear and damage.

### 4. Microbiological Growth in Diesel Fuel:

Water in diesel fuel can allow certain microbes to grow in fuel. Their waste products contribute to the overall particulate contamination. Particulates become trapped in tank walls, fuel lines and system components. The result is dirty fuel tanks, clogged lines, and plugged piping.

### 5. Develop and Maintain a Luber-finer Fuel System Maintenance Program:

The development of a viable scheduled maintenance program and the use of good quality fuel filters are vital to protecting your investment. Luber-finer offers a complete line of filtration products to maintain and protect your fuel system and equipment investment.

## Fuel Filter Tech Tips

1. Utilize good, clean, quality fuel.
2. Eliminate possible sources of contamination at bulk fuel-storage facilities.
3. Monitor fuel-storage for water, bacteria or fungus. Treat appropriately with preventive maintenance.
4. Drain vehicle fuel tanks on a regular interval. Remember, this should be done at least 24 hours after the vehicle has been idle.
5. Never use gasoline or alcohol alone as a diesel-fuel additive.
6. Do not blend used oil with diesel fuel. It can cause increased wear of injectors and plug filters, and form carbon deposits on piston tops.
7. To help minimize the condensation and water accumulation in vehicle fuel tanks, top off with fuel at the end of the day.
8. Luber-finer fuel filters are designed to last beyond the recommended change interval. If a fuel filter does not last as long as the change interval, it can generally be attributed to excessive contaminants and/or water. Always remember to drain fuel/water separators periodically.



Luber-finer offers a complete line of products to maintain and protect your equipment investment.

### Find Your Filter With Luber-Finder

Get quick access to Luber-finer filters and cross-reference information on competitive and Original Equipment Manufacturers' products with Luber-finder.

Load the Luber-finder CD-ROM in your Windows-based computer and search the latest information. There's an application section for automotive, light truck, heavy-duty truck and off-highway equipment.

For more information, or to get your quarterly updates of the Luber-finder CD-ROM, contact the Luber-finer sales department at 1-800-851-3641. You can also access Luber-finder basic at [www.luberfiner.com](http://www.luberfiner.com) on the Internet.

### WARRANTY

Luber-finer filters are guaranteed to be free from defects in material and workmanship. In the event of an engine or equipment failure directly caused by a proven defective Luber-finer filter, which was properly installed and changed following the engine or equipment manufacturer's recommended service intervals, Luber-finer will restore the engine or equipment to a condition equivalent to that existing just before the failure. Claims for engine or equipment repairs provided under this warranty must be submitted within 30 days after discovery of damage. Luber-finer Technical Services Department reserves the right to examine the engine or equipment and filter to determine the amount of damage and whether it was caused by a defective Luber-finer filter. This warranty gives you specific legal rights. You may have other rights which vary from state to state. Engine and equipment manufacturer's warranties remain in effect when Luber-finer filters are used.

**LUBER-FINER**  
BUILT TO DO MORE™

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LF11 HD Fuel Filter Brochure



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