



**LFW6500**  
COOLANT FILTER

**COOLING  
SYSTEM  
SOLUTIONS**





## 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 all fleets and on-highway, as well as all 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, off-highway construction to light truck and automotive, Luber-finer's entire product line of filters is designed to keep your vehicles and equipment running cleaner and longer.

Whether you choose our innovative coolant filters and products or any of our lube, air, fuel or hydraulic filters, you can always count on Luber-finer for high quality, performance and reliability. We want to be your "Total" filter supplier!



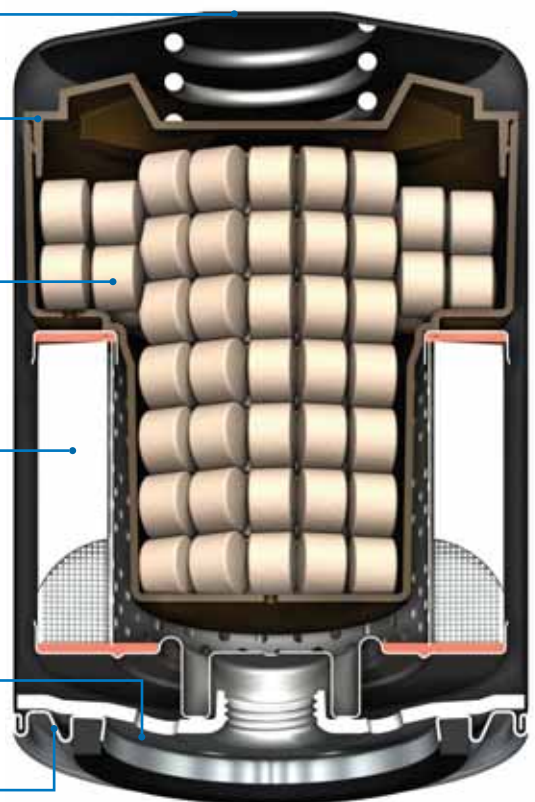
# COOLING SYSTEM SOLUTIONS

**You Need These.** Improper coolant flow is the reason for nearly half of all early engine failures. So, there's no question about it: Reliable coolant products are necessary for preventing dirt, rust, scale and other contaminants from creating "hot spots" and thus damaging your engine. Luber-finer coolant filters and products provide quick and easy maintenance that help to reduce downtime, costs and ultimately helps prolong the life of your equipment.

**Field Tests Prove It.** Years of research has made available a specialized group of Luber-finer epoxy-coated coolant filters, supplemental coolant additives, and testing products with a precise purpose. Field tests prove that Luber-finer coolant filters and products are compatible with all applications and provide the best protection available for all service levels.

## LFW6500 "XL" Extended Service Controlled Release Coolant Filter

- **Durable Epoxy-Coated Shell** — resists rust and corrosion during extended service.
- **Protective Holding Chamber** — keeps CRT™ (Controlled Release Technology) coolant additives separate from filter media to prevent degradation and provide even release.
- **Patented CRT™ (Controlled Release Technology)** — releases controlled levels of supplemental coolant additive to protect against rust, scale, and other build-up.
- **High Efficiency Synthetic Media** — designed for extended service levels capable of handling high heat and coolant flow longer. Reinforced media construction has higher capacity and filtering efficiency for better engine protection.
- **All-Steel Baseplate** — provides durability and strength for stability over extended service levels.
- **Double Rolled Seam** — ensures a tight fit to prevent leakage.





## Top 5 Cooling System Maintenance Tips

**1. Know Your Coolant Type:** Luber-finer provides coolant filters, supplemental coolant additive (SCA), and coolant test strips for conventional coolant. In addition, we provide non-SCA filters for long-life coolant. We recommend that you contact your coolant supplier for proper maintenance and extender additives for long-life coolants.

**2. Perform Visual Inspection of Coolant and System:** Perform a visual examination of the coolant to ensure that it is the proper color and free from debris, rust and lubricating oil. Drain, flush and refill if visual inspection indicates any contamination. In addition, check to make sure the radiator air intake is free of debris and obstructed air flow. Examine hoses for pliability and ensure that they are a safe distance from hot engine components. Check hose clamps for coolant leakage and proper tension. Also inspect for indications of a faulty radiator cap, which can lead to coolant breakdown and boil over.

**3. Perform Testing of Coolant:** When maintaining systems filled with conventional coolant, it is vital to check for proper SCA level, pH and freeze point protection. This can be accomplished with the use of all-in-one Luber-finer Coolant Test Strips. Be sure to test engine coolant at each scheduled service interval (20,000 miles) to maintain proper cooling system protection. Also, coolant manufacturers recommend that diesel engines using conventional coolant should drain, flush and refill their cooling system every two years, or 300,000 miles, with new low-silicate coolant. Maintain proper SCA level with Luber-finer SCA filters and/or LUBERCOOL II liquid SCA.

**4. Treat Coolant with Proper SCA Products:** Once coolant has been visually inspected then tested with Luber-finer test strips, proper treatment is required. SCA contains inhibitors designed to prevent generalized corrosion; nitrite for protection against cavitation erosion; scale inhibitors that keep hard water scale from depositing on engine surfaces; and buffering agents to reduce the acidity of the coolant. Luber-finer gives you a sensible, economical way to maintain your cooling system with the proper SCA treatment. The use of Luber-finer Standard, Long Life or Extended Service "Controlled Release SCA" coolant filters and/or LUBERCOOL II liquid SCA is proven protection for your engine.

**5. Develop and Maintain a Luber-finer Cooling System Maintenance Program:** The development of a viable scheduled maintenance program and the use of quality coolant products are vital to protecting your investment. Luber-finer offers a complete line of products to maintain and protect your cooling system and equipment investment. If you have questions, please feel free to contact a Luber-finer representative.

### "Conventional" – SCA Coolant Filters

Luber-finer Conventional SCA Coolant Filters were developed to maintain and protect cooling systems during recommended service intervals of 1 year, 20,000 miles, or 1,000 hours. Designed for use with conventional coolant, standard coolant filters are pre-charged with SCA (Supplemental Coolant Additive) to protect your engine against harmful corrosion.

### "Controlled Release" 6500 Series - SCA Coolant Filters with "CRT"

Luber-finer Controlled Release Technology SCA Coolant Filters were developed to maintain and protect cooling systems up to 1 year, 150,000 miles or 4,000 hours. Designed for use with conventional coolant, Controlled Release SCA coolant filters have a specially formulated synthetic filter media. In addition, they are pre-charged with "CRT" (Controlled Release Technology) SCA to protect your engine against harmful corrosion, cavitation, and scale when longer service intervals are more beneficial.



### "Extended Life" XL Series – Non-SCA Coolant Filters

Luber-finer Extended Life Non SCA Coolant Filters are constructed for use with "ELC" extended life coolant products and also may be used with conventional coolant when longer service intervals are desired. Luber-finer Extended Life coolant filters contain no SCA but are constructed with specially formulated synthetic media. When using Luber-finer Extended Life Non-SCA coolant filters with conventional coolant; first test and then treat with Lubercool II SCA to protect your engine from harmful corrosion, cavitation, and scale. When using with today's ELC coolant, be sure to service your cooling system according to the coolant manufacturer's recommendations for testing and treatment. It is recommended that you change Luber-finer Extended Service –Non SCA coolant filters every year, 150,000 miles or 4,000 hours.

# Luber-finer In-Field Coolant Analysis Test Kits and Strips

Affordable, effective and universal, Luber-finer test kits and strips help maintain the proper levels of supplemental coolant additives for all applications. One-step test kits with color-coded charts, instructions and easy-to-read strips take the work and worry out of all cooling system analysis.

## LCTK10

Tests:

- Nitrite Level
- Freeze Point
- pH Level
- Reserve Alkalinity



## LCTS11

Tests:

- Nitrite Level
- Freeze Point
- pH Level



## LCTK12

Tests:

- Nitrite Level
- Freeze Point
- pH Level



## Use LUBERCOOL II Treatment Supplemental Coolant Additive (SCA)

Luber-finer's LUBERCOOL II Supplemental Coolant Additive protects coolant systems from corrosion, build-up of harmful deposits, and controls the pH balance with dependable chemical conditioning.



## Buy LUBERCOOL II

- Pint (920021)
- 1/2 Gallon Bottle (920064)
- 5 Gallon Pail (920005)
- 55 Gallon Drum (920055)

## Select The Correct Filters For Your Application and Service Level

PART #	SCA CONTENT	PRINCIPAL APPLICATIONS	SERVICE TYPE	DESCRIPTION	SERVICE INTERVAL	I.D.
<b>CUMMINS / CAT / DETROIT / INTERNATIONAL AND OTHERS</b>						
LFW4686	0 oz.	Cummins, Detroit, International and Others	Conventional	Non SCA Ver.-Treats 7-16 Gallon System	1 Yr, 1000 Hrs, 20,000 Mi	11/16"-16 Thrd.
LFW4071	1 oz.	Cummins, Detroit, International and Others	Conventional	SCA Ver.-Treats 7-16 Gallon System	1 Yr, 1000 Hrs, 20,000 Mi	11/16"-16 Thrd.
LFW4072	2 oz.	Cummins, Detroit, International and Others	Conventional	SCA Ver.-Treats 17-21 Gallon System	1 Yr, 1000 Hrs, 20,000 Mi	11/16"-16 Thrd.
LFW4073	3 oz.	Cummins, Detroit, International and Others	Conventional	SCA Ver.-Treats 22-32 Gallon System	1 Yr, 1000 Hrs, 20,000 Mi	11/16"-16 Thrd.
LFW4074	5 oz.	Cummins, Detroit, International and Others	Conventional	SCA Ver.-Treats 33-43 Gallon System	1 Yr, 1000 Hrs, 20,000 Mi	11/16"-16 Thrd.
LFW4075	6 oz.	Cummins, Detroit, International and Others	Conventional	SCA Ver.-Treats 44-51 Gallon System	1 Yr, 1000 Hrs, 20,000 Mi	11/16"-16 Thrd.
LFW2055	9 oz.	Cummins, Detroit, International and Others	Conventional	SCA Ver.-Treats 52-60 Gallon System	1 Yr, 1000 Hrs, 20,000 Mi	11/16"-16 Thrd.
LFW4685	0 oz.	Caterpillar	Conventional	Non SCA Ver.-Treats 7-16 Gallon System	1 Yr, 1000 Hrs, 20,000 Mi	11/16"-16 Thrd.
LFW4744	1 oz.	Caterpillar	Conventional	SCA Ver.-Treats 7-16 Gallon System	1 Yr, 1000 Hrs, 20,000 Mi	11/16"-16 Thrd.
LFW4018	2 oz.	Caterpillar	Conventional	SCA Ver.-Treats 17-21 Gallon System	1 Yr, 1000 Hrs, 20,000 Mi	11/16"-16 Thrd.
LFW5870	32 oz.	Caterpillar	Conventional	SCA Precharge - 31-43 Gallon System	1 Yr, 1000 Hrs, 20,000 Mi	11/16"-16 Thrd.
LFW4685XL	0 oz.	Cat, Cummins, Detroit, International and Others	Extended Life	Non SCA Version	1 Yr, 4000 Hr, 150,000 Mi	11/16"-16 Thrd.
LFW6500	N/A	Cat, Cummins, Detroit, International and Others	Contr. Release	SCA Ver.-Treats 7-16 Gallon System	1 Yr, 4000 Hr, 150,000 Mi	11/16"-16 Thrd.
LFW2126	3 oz.	Cummins ISX engines	Conventional	SCA Ver.-Treats 7-16 Gallon System	1 Yr, 1000 Hrs, 20,000 Mi	M36x2.0-6H
LFW2127	0 oz.	Cummins ISX engines	Extended Life	Non SCA Ver.-Treats 7-16 Gallon System	1 Yr, 4000 Hr, 150,000 Mi	M36x2.0-6H
<b>VOLVO</b>						
LFW5141	1 oz.	Volvo	Conventional	SCA Ver.-Treats 7-16 Gallon System	1 Yr, 1000 Hrs, 20,000 Mi	M16x1.5-6H Thrd.
LFW5875	3 oz.	Volvo	Conventional	SCA Precharge - Treats 7-16 Gallon System	1 Yr, 1000 Hrs, 20,000 Mi	M16x1.5-6H Thrd.
LFW5141XL	0 oz.	Volvo	Extended Life	Non SCA Version	1 Yr, 4000 Hr, 150,000 Mi	M16x1.5-6H Thrd.
LFW6501	N/A	Volvo	Contr. Release	SCA Ver.-Treats 7-16 Gallon System	1 Yr, 4000 Hr, 150,000 Mi	M16x1.5-6H Thrd.
<b>MACK</b>						
LFW4860	1 oz.	Mack	Conventional	SCA Ver.-Treats 7-16 Gallon System	1 Yr, 1000 Hrs, 20,000 Mi	3/4"-20 Thrd.
LFW4860XL	0 oz.	Mack	Extended Life	Non SCA Version	1 Yr, 4000 Hr, 150,000 Mi	3/4"-20 Thrd.
LFW6502	N/A	Mack	Contr. Release	SCA Ver.-Treats 7-16 Gallon System	1 Yr, 4000 Hr, 150,000 Mi	3/4"-20 Thrd.
LFW4422	4 oz.	Mack	Conventional	SCA Ver.-Treats 7-16 Gallon System	1 Yr, 1000 Hrs, 20,000 Mi	1"-16 Thrd.
LFW4687	0 oz.	Mack	Conventional	Non SCA Ver.-Treats 7-16 Gallon System	1 Yr, 1000 Hrs, 20,000 Mi	1"-16 Thrd.
<b>TEST STRIPS</b>						
LCTS12		All		5 Pack Foil Wrapped - Coolant Test Strips		
LCTK11		All		50 Pack Resealable Bottle - Coolant Test Strips		
LCTK10		All		Shop Kit - Coolant Test Strips		
<b>LUBERCOOL II</b>						
920021		All		1 Pt Lubercool II Suppl. Coolant Additive		
920064		All		1/2 Gal Lubercool II Suppl. Coolant Additive		
920005		All		5 Gal Lubercool II Suppl. Coolant Additive		
920055		All		55 Gal Lubercool II Suppl. Coolant Additive		
<b>MOUNTING BASE</b>						
LWHB4861		Water Filter Head and Bracket assembly		Fits 11/16"-16 Thrd. Filters		



FOR INFORMATION CALL:

**U.S.: 800-851-3641 INT'L.: 618-445-6011**

**www.luberfiner.com**

**200 South 4th Street, Albion, Illinois 62806-1313**

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