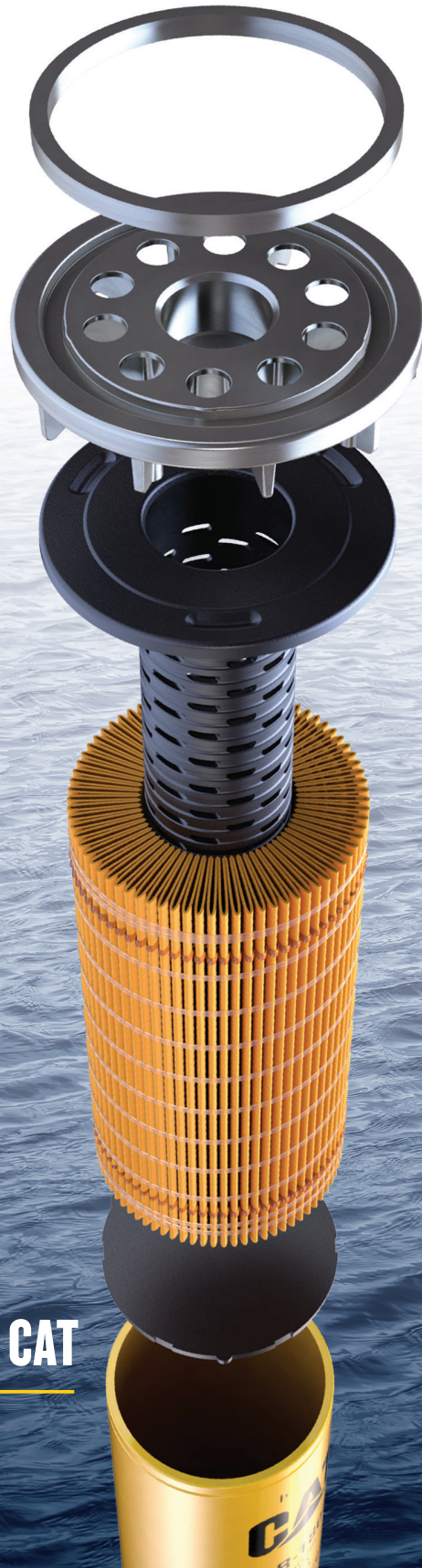


CAT[®] FLUID FILTERS

FOR MARINE CUSTOMERS



BUILT EXCLUSIVELY FOR CAT

DIFFERENT BY DESIGN



WHY DESIGN MATTERS

Today's high-performance, low emission engines require tighter tolerances, higher pressure and run at increased temperatures so contaminants become an ever-increasing problem.

When we design Cat® Filters, our objectives are to provide your engine with greater protection from contaminants and reduce your costs. We accomplish this through unparalleled design that delivers features none of our competitors offer.

Manufactured exclusively for Caterpillar, Cat Filters provide consistent quality and performance proven to be better than the rest.

Let's look inside a Cat Fluid Filter...



STRONGER BY DESIGN

The non-metallic center tubes in Cat Filters also deliver added strength, helping prevent collapse during cold starts and pressure spikes.

Tests have shown that Cat non-metallic center tubes are up to 30% stronger than the typical metal tube used by other brands. This added strength helps make Cat Filters extremely durable, providing a longer filter life and lower operating costs.

DON'T INTRODUCE PROBLEMS

Cat Filters start with a non-metallic center tube, made from fiberglass-reinforced nylon. Unlike other brands, Cat prefers a non-metallic tube because it adds strength and eliminates a source of contamination.

Metal center tubes, preferred by other brands, can carry metal shavings left over from the manufacturing process. These metal shavings can be picked up by the fluid on the clean side of the media and carried through the system causing component wear and premature failure.

UP TO

30%

STRONGER
THAN THE TYPICAL
METAL TUBE

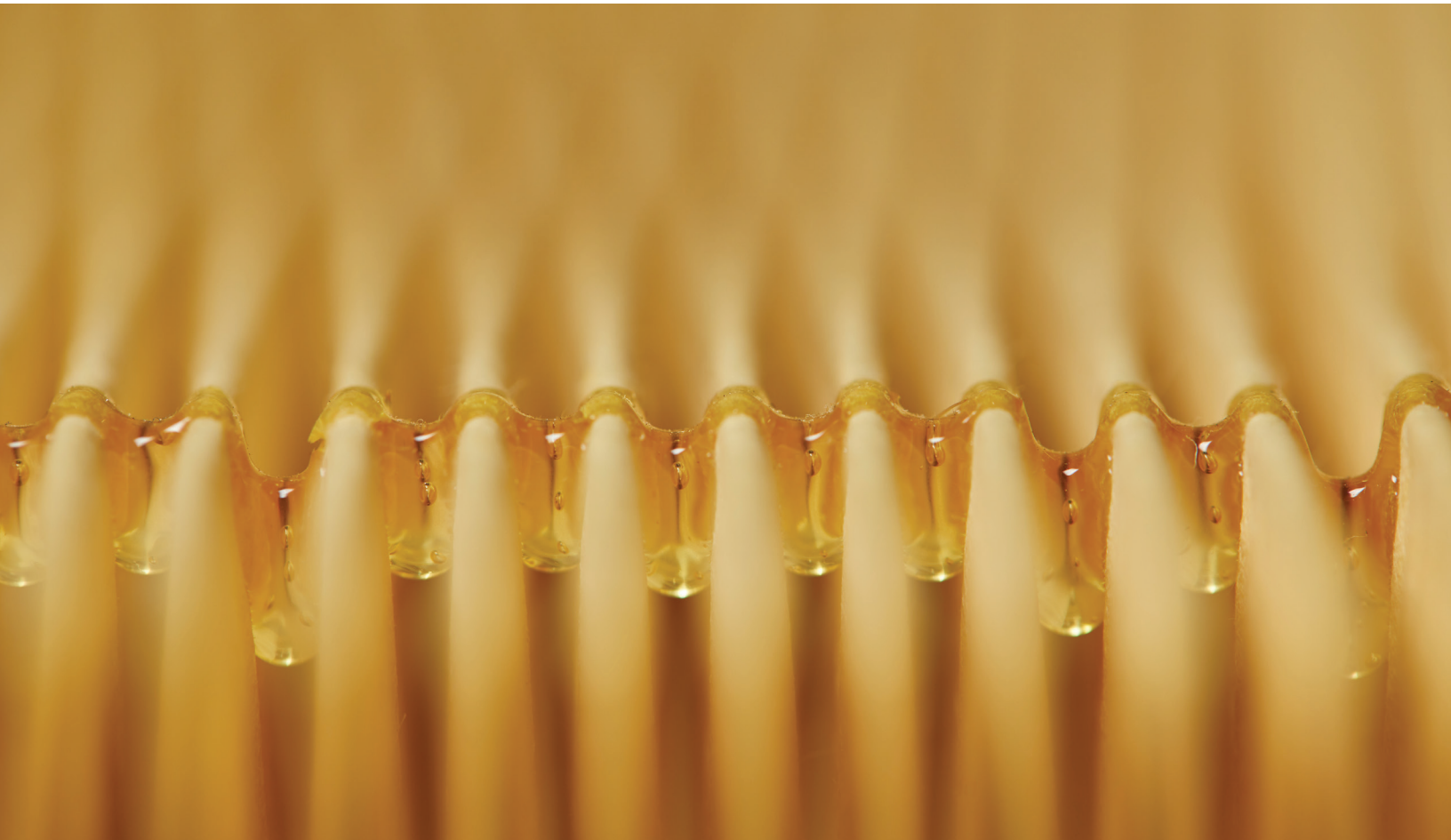
Tests have shown that non-metallic center tubes are up to 30% stronger than the metal tubes in similar filters.

SEPARATION THAT MATTERS

Consistent pleat spacing is critical to the efficient functioning of a fluid filter. It maximizes the media’s surface area and helps capture and hold contaminants until the next change interval.

Cat Filters utilize acrylic beads to keep the pleated filter media evenly spaced and the media more rigid, which prevents the media from bunching. Bunching, which other brands commonly experience, reduces filter life and can also trigger a bypass allowing contaminants to continually circulate through the system and cause additional wear.

The acrylic beads in Cat Filters help keep your asset in production, decreasing downtime and lowering operational costs so you can avoid non-productive time.



HOLD IT, DON'T MOVE

When a filter’s pleats flex, contaminants can be released through the filter media into the clean side of the filter where they continue to circulate through the engine causing increased wear.

Cat Filters have a fiberglass cord wrapped around the media called spiral roving. This spiral roving prevents the pleats in the media from flexing as the fluid travels through the filter, ensuring that contaminants are captured and held. This improves filtration efficiency and reduces the particle count in the fluids by up to 45%.

UP
TO **45** %

FEWER PARTICLES IN FLUIDS USING
CAT FILTERS WITH **SPIRAL ROVING**

Tests have shown that particle counts of filters with spiral roving were 45% lower than similar filters without spiral roving.

CAPPING IT OFF..

To completely seal off the clean side of the filter, Cat Filters use a molded urethane endcap. During the manufacturing process, the filter media is inserted into the polyurethane before it hardens.

Unlike other filter brands that glue a metal endcap onto the media, the Cat Filter's one-piece molded urethane endcap creates an impregnable barrier that keeps contaminants confined to the dirty side of the filter.



INTEGRITY YOU CAN RELY ON

Molding the media pleats into the polyurethane end caps also improves the structural integrity of Cat Filters and eliminates any possibility of gaps, keeping contaminants locked in the filter and out of your system.

Cat Filters also feature a one-piece, aluminum baseplate. A non-ferrous metal, the aluminum baseplate reduces harmful contaminants and provides more thread engagement.

All this, along with the thickest one-piece canister in the industry, enables Cat Filters for Fluids to ensure your assets are always ready.



THE CATERPILLAR DIFFERENCE

» INSTALLATION TIPS

- Reduces pleat flex and fatigue
- Maximizes media service utilization
- Increases contaminate retention

» URETHANE END CAPS

- One piece design with media molded into urethane
- Eliminates possible leak paths

» ALUMINUM TOP PLATE

- Non-ferrous metal reduces harmful contaminants
- More thread engagement

» ACRYLIC BEADING

- Prevents bunching
- Maximizes media surface area utilization

» NON-METALLIC CENTER TUBE

- Stronger than metal
- Maximum cleanliness

» CANISTER

- Thickest can in the industry
- One piece design maximizes strength while minimizing potential leaks



24/7

ORDER AND ACCESS 24/7

Looking for ongoing access to information on the Cat parts, tools and materials you need to get the job done?

You'll find it at **parts.cat.com**.

Or, contact your local Cat dealer for all the parts and services that Caterpillar has designed to help you cut operating costs.

LET'S DO THE WORK.™

LEDM21209-00

© 2022 Caterpillar. All Rights Reserved. CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Corporate Yellow", the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

BUILT EXCLUSIVELY FOR CAT

DIFFERENCES THAT MATTER

