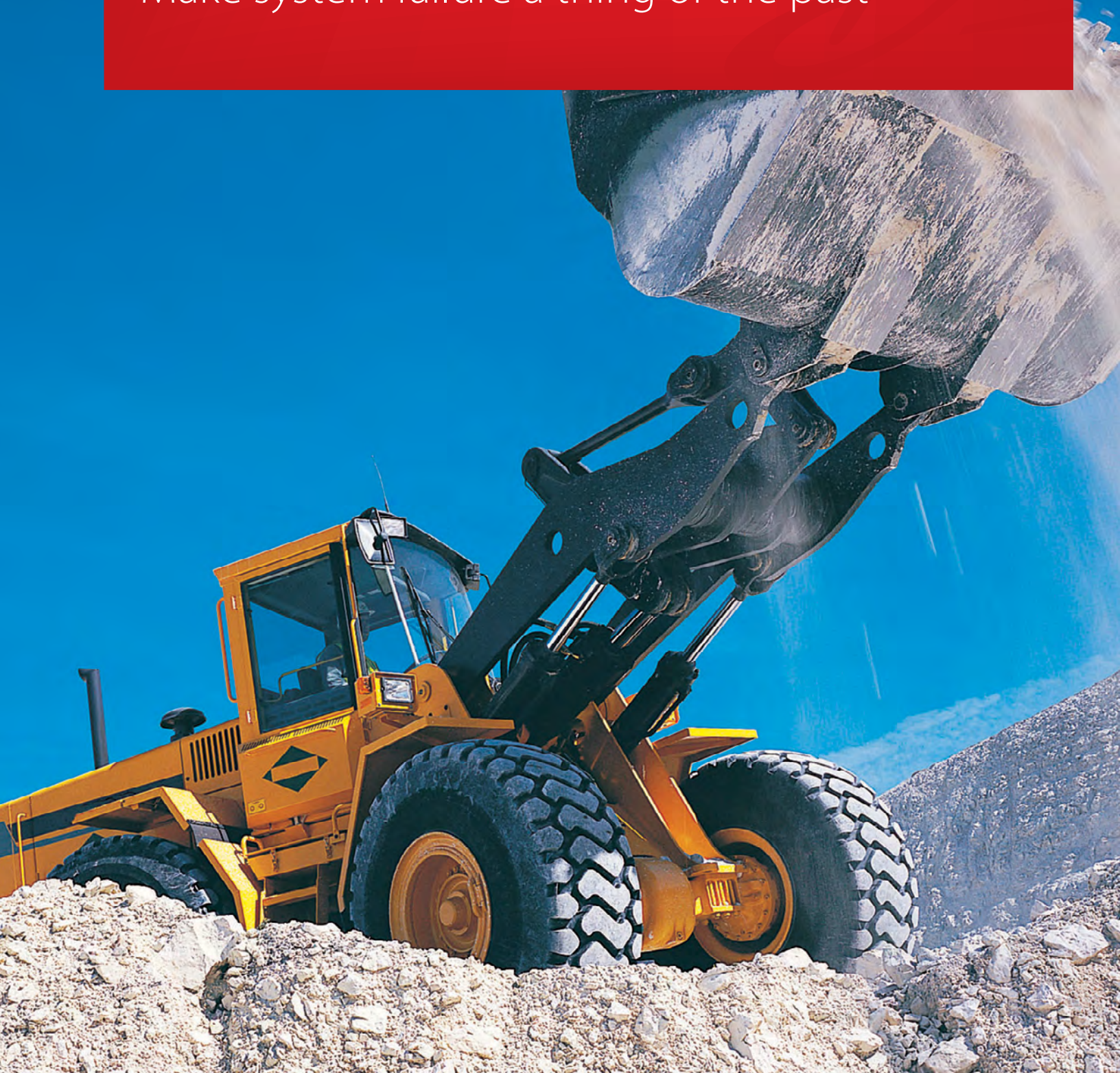


ENGINEERING
TOMORROW

Danfoss

Technical brochure

Danfoss **Contamination Control Solutions** Make system failure a thing of the past





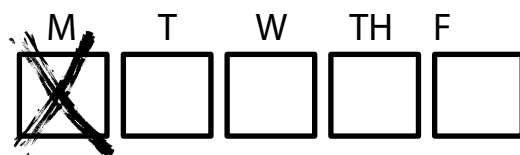
The **hidden** (and not so hidden) **costs** of contamination

Up to **90%** of hydraulic failures
are caused by contaminated oil

According to Fluid Power Journal* industry experts estimate that contamination causes 65% to 90% of all hydraulic-system failures.

Today's hydraulic systems operate at higher speeds and are therefore more vulnerable to even the smallest amount of contamination. This means that the risk of contamination is greater and that financial costs from hydraulic failures and other contamination problems can be much higher.

* Microscopic Particles Can Cause Catastrophic Failure, by Tony Casassa, posted 6/15/20



The equivalent of losing one full day's worth of work.

Contamination that goes unnoticed or unaddressed can lead to invisible declines in operating performance by as much as 20%.

Imagine what that financial cost of losing a day's production - potentially for weeks or months at a time - would be to your company. More importantly, contamination can lead to repeat system failures, requiring additional time and effort removing, repairing and/or replacing affected equipment - leading to even more financial strain.

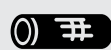
What causes contamination?

The key to preventing contamination starts with understanding how it occurs.

Main causes of contamination:



The hose cutting, crimping, bending and flaring process



Dirty and/or poorly maintained hoses and tubes



Ineffective plastic caps and plugs

Say Goodbye to System Failures...

and hello to cleaner, more efficient equipment

New advances in technology are making contamination a much more sophisticated problem to control. Consequently, manufacturers are publishing oil cleanliness standards for their machinery and components, mandating conformance to these standards, and rejecting warranty claims for contamination related failures.

Danfoss understands these challenges, and as a result, we've partnered with other industry-leaders to provide powerful solutions that set the global standard for cost beneficial contamination control.

Our comprehensive suite of contamination control solutions are designed to:

- Keep your production operating at peak performance
- Lower costs for fluid needed for replacement and replenishment
- Allow for more consistent hydraulic system performance
- Prevent premature component wear
- Reduced fluid disposal costs





W

We choose Danfoss, because they provide a **world-class engineered fluid conveyance system**. This involves a **complete hose and fitting system** with the industry's best crimping equipment. The recent addition of contamination control equipment has made Danfoss' already great system, better and more powerful than ever-giving our market the **ultimate solution for on-site contamination control**.

Andy McCorkell, President WHD Canada

The Power to Solve

From an industry leader you know and trust

Whether your products move, turn, shape, mold, lift, dig, or haul, you can depend on Danfoss's fluid conveyance products to deliver the performance power you need to stay competitive.

Our unwavering dedication to leadership in mobile and industrial applications has made us one of the world's preferred suppliers of fluid conveyance systems, parts, controls, and engineered solutions.

In addition to our unparalleled contamination control systems, we also offer the best in:



Hose assembly equipment solutions



Stocking cabinets to organize your inventory



Innovative saws and saw blades that deliver the cleanest cuts with low smoke



Economical proof test stands



Protective and helpful accessory products, including protective sleeves and guards, clamps, coils, spacers, and bundling straps

We're here to help you find the right solution and to answer any questions you may have regarding our extensive line of products.

Conquer Contamination with Danfoss

Danfoss has a comprehensive suite of contamination control solutions designed to meet your needs.



Hydraulic Hose Saws

Modern toothed blade technology for cleaner, safer cuts

- No kerfs
- Less smoke and debris
- Multiple blade options

MODELS	ET9100-07-110
	ET9200-10-220
	ET9300-14-220



Hose Cleaning Systems

Powerful launching systems that blast away contaminants through hose, tube, or pipe assemblies.

- Reduce downtime
- Extend filter life
- Minimize risk of failure
- Diminish premature wear
- Thoroughly remove contaminants prior to final assembly
- Available in hand-held or bench mount

MODELS	FT1455-L1 Hand Launcher (1/8" through 1-1/4")
	FT1455-L2 Hand Launcher (1/8" through 2")
	FT1455-L3 Hand Launcher (1/8" through 3-1/2")
	FT1455-L4 Bench Mount Launcher (1/8" through 1-1/4")



Hose Capping Systems

Fast and economical solutions preventing contamination in hydraulic circuits.

- Prevents particulates and other contaminants from entering the hose assembly
- Prevents the fitting terminal end threads from being damaged during transit
- Available in bench mount or hand-held option

MODELS	FT1555-HH
	FT1555-BM120 and FT1555-BM230

About Danfoss Power Solutions FC

Danfoss hoses, fittings, and tooling provide the ultimate fluid conveyance solutions for a variety of equipment and applications around the world. We proudly engineer to support a sustainable future for tomorrow.

To learn more please visit: <http://www.danfoss.com/en/about-danfoss/our-businesses/power-solutions>

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