Donaldson
FILTRATION SOLUTIONS

Donaldson Delivers

Full-Flow Lube Oil Filters

for Cummins® X15 / ISX Engines

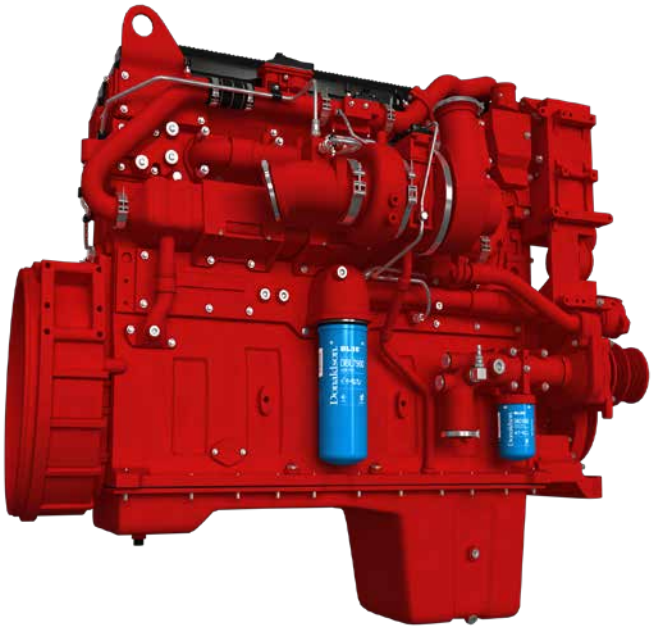
Cummins® is a registered trademark of Cummins, Inc.

PROVEN FULL-FLOW DESIGN
– Donaldson Lube Filters Outperform

Every oil filter needs to effectively balance three key characteristics: ***efficiency*** (contaminant capture), ***capacity*** (contaminant holding) and ***restriction*** (resistance to flow). Donaldson filters continue to provide better protection for your X15 and ISX engines.

Our lube filters for X15 and ISX engines continue to strike the optimal balance of:

- High-efficiency contaminant capture – from particulate to sludge
- Higher contaminant holding capacity
- Minimal oil flow restriction



Donaldson Filters STILL Deliver Better Engine Protection

STANDARD SEALS

P559000

Our proven filters provide superior contaminant holding capacity and greater filtration efficiency than the LF14000NN – offering better overall engine protection.

HEAVY-DUTY SEALS

Donaldson BLUE®

Designed for extended service intervals – delivering increased vehicle uptime and reduce operating costs.

DBL7900

This premium filter offers the same protection as the P559000 but with heavy-duty seals to withstand extreme conditions and hot oil temperatures longer. Ideal for extended service intervals.

Fleetguard® is a registered trademark of Cummins, Inc.

OTHERS MAY HAVE CAUGHT ON
– But They STILL Haven't Caught Up

At Donaldson, we continue to advocate for the benefits of our full-flow filter design for Cummins X15 and ISX engines. Over time, Fleetguard has changed their approach. They've migrated from stacked disks, to stacked filters, to different media grades. The problem is, with each successive attempt, they still haven't matched Donaldson filter performance. Within this brochure, you'll find actual test data that supports how Donaldson filters continue to outperform Fleetguard filters on the measures that really matter for your engines.

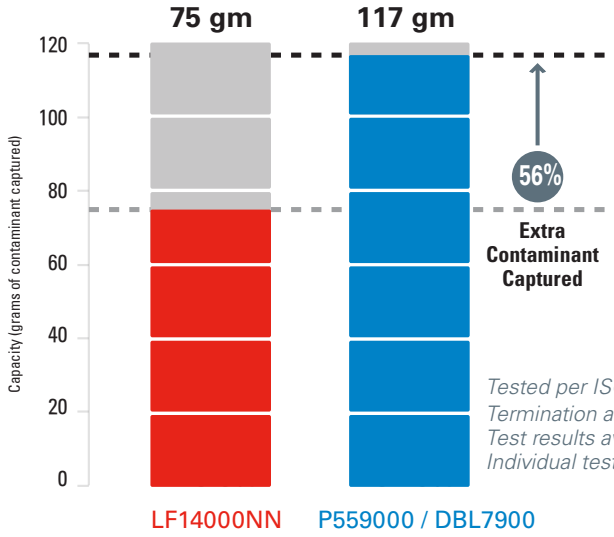
Donaldson filters STILL outperform the Cummins / Fleetguard designs!

You Have A Choice

You can always choose top-quality Donaldson filters designed specifically for your engines and equipment and – as long as you change them according to the engine manufacturer's maintenance schedule – using Donaldson filters **will not** void your engine manufacturer's warranty.

Holds up to 56% more contaminant THAN FLEETGUARD® LF14000NN FILTERS

Contaminant Holding Capacity



Tested per ISO 4548-12. Flow Rate at 105 lpm.
Termination at 25 psid / 172.3 kPa.
Test results averaged with six filters per part number.
Individual test results may vary.

Donaldson filters catch more dirt

Donaldson filters offer superior contaminant holding capacity – up to 56% more contaminant captured than the latest LF14000NN (Cummins 4367100) filter. Greater capacity means longer filter life, for lower maintenance and operating cost.

NO SMOKE…NO MIRRORS

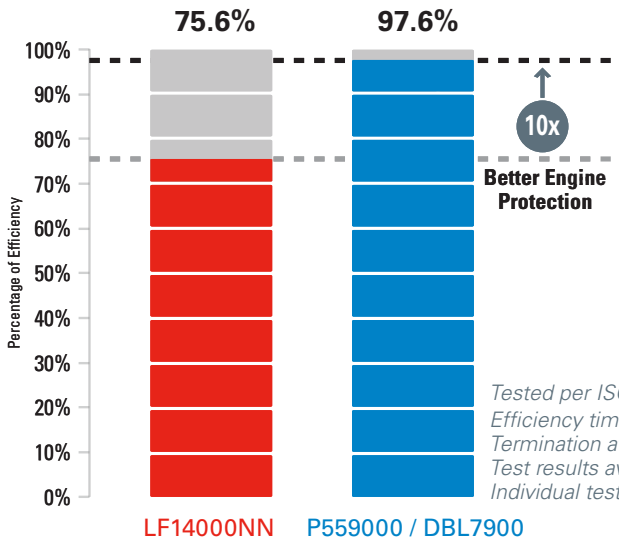
You may have noticed that Fleetguard has recently made claims about their filters outperforming Donaldson filters.

It's important to understand that the test data that Fleetguard references in their recent claims focuses on initial filter cleanliness – which literally represents the *first few minutes* of operation after a filter is installed. They also reference something called "media migration". This term actually represents a few **MILLIGRAMS** (thousandths of a gram!) of fibers that flush through a filter as part of normal filter installation. At Donaldson, when we test our lube filters and make claims about performance, we use industry standard tests that report performance results over the *entire life of the filter.* When this test data is analyzed, it's clear that Fleetguard filters let many more **GRAMS** of contaminant pass through to your engines during the entire lifespan of a filter.

This distinction is important because, in the real world, you expect your filters to perform during the entire time that they're installed – not just the first few minutes. And the good news for your engines is that Donaldson filters continue to outperform Fleetguard – with filters that are **10x MORE EFFICIENT** – delivering better protection for your Cummins X15 and ISX engines.

10x more efficient
THAN FLEETGUARD® LF14000NN FILTERS

Contaminant Removal Efficiency



Tested per ISO 4548-12. Flow Rate at 105 lpm.
Efficiency time weighted average at ≥ 15µm(c).
Termination at 25 psid / 172.3 kPa.
Test results averaged with six filters per part number.
Individual test results may vary.

Donaldson filters provide better protection

Donaldson filters offer better filtration efficiency than the LF14000NN (Cummins 4367100) filter. Better efficiency means 10x fewer harmful particles make it downstream to your engine, for greater engine protection.

P559000 / DBL7900
= **97.6%** =
Efficiency

Contamination to Engine

LF14000NN
= **75.6%** =
Efficiency

10x More
Contamination to Engine

BETTER efficiency means **10x** fewer harmful particles make it downstream to your engine.

We've sold **MILLIONS** of lube filters for Cummins ISX engines using the same proven design.

Our filters have successfully protected engines over **BILLIONS** of miles.

This illustration represents the relative volume of particles 15 microns and larger that pass through lube filters downstream to the engine. Fleetguard states that removing particles as fine as 10-15 microns will prevent long-term wear.*

*LT36539 Rev-1, p3

Donaldson Filtration Products for Cummins® X15 / ISX Engines

You need effective filtration to keep your fleets in operation and you want complete engine liquid coverage from one trusted supplier. Our line of fuel, lube and coolant filters are designed to meet the specific needs of X15 and ISX engines by delivering cleaner fluids to your engine components.

Donaldson Part No.		Cummins	Fleetguard
Primary Fuel Filtration			
	P550849 • Efficiency: 99% @ 7µm	N/A	FS19764
Secondary Fuel Filtration			
	DBF5811 Long Length • Efficiency: 99% @ 4µm	N/A	FF5811
	DBF6776 Short Length • Efficiency: 99% @ 4µm	5365988	FF5825NN
	P555686 Long Length • Efficiency: 99% @ 5µm	2222829	FF5686
	P555776 Short Length • Efficiency: 99% @ 5µm	2893612	FF5776
Lube Filtration			
	DBL7900 Heavy-Duty Seals for Extended Service Intervals • Efficiency: 98% @ 15µm >99% @ 30µm	4367100	LF14000NN
	P559000 • Efficiency: 98% @ 15µm >99% @ 30µm		
	P550949 Pre-2010 Engines Only • Efficiency: 87% @ 15µm >99% @ 30µm	N/A	N/A
Coolant Filtration			
	DBC4085 Non-chemical for Extended Service Intervals • Efficiency: 99% @ 50µm	3098690	WF2123
	P550866 SCA+ 8 Units • Efficiency: 99% @ 50µm	4907485	WF2126
	P550867 Non-chemical • Efficiency: 99% @ 50µm	3680434	WF2127
	P554685 Non-chemical • Efficiency: 99% @ 50µm	3827423	WF2077

Donaldson FILTRATION SOLUTIONS

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Japan 81-42-540-4112
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India 91-124-4807-400

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