



Donaldson Delivers
**Full-Flow Lube Filters
for Cummins® ISX Engines**

**No matter how you stack it –
Donaldson lube filters
STILL outperform**



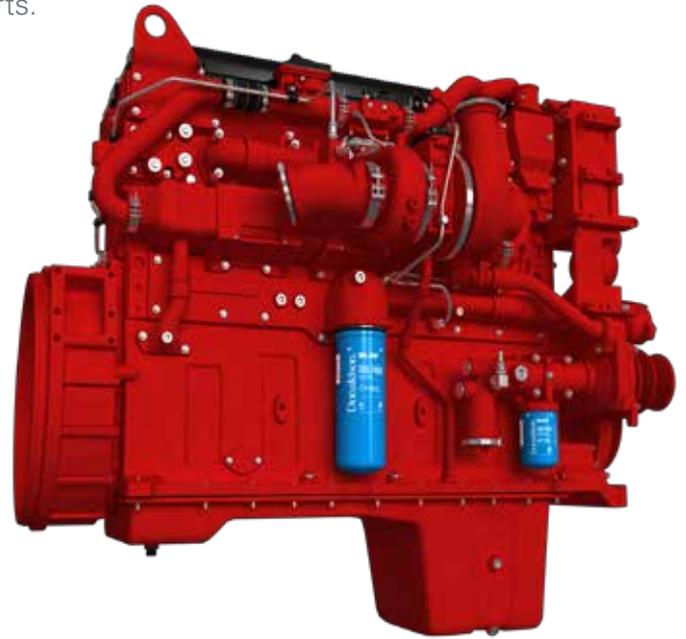
PROVEN FULL-FLOW DESIGN – Donaldson Lube Filters Outperform

Every oil filter needs to effectively balance three key characteristics: **efficiency** (contaminant capture), **capacity** (contaminant holding) and **restriction** (resistance to flow). Our field tested and proven lube filters route the entire regulated oil flow through our full-flow pleated element. This means your engine receives critical lubrication protection, even during cold starts.

Our family of lube filters for 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 Deliver Better Engine Protection



MAKING MAINTENANCE EASIER – Donaldson Has You Covered

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 ISX engines by delivering cleaner fluids to your engine components.



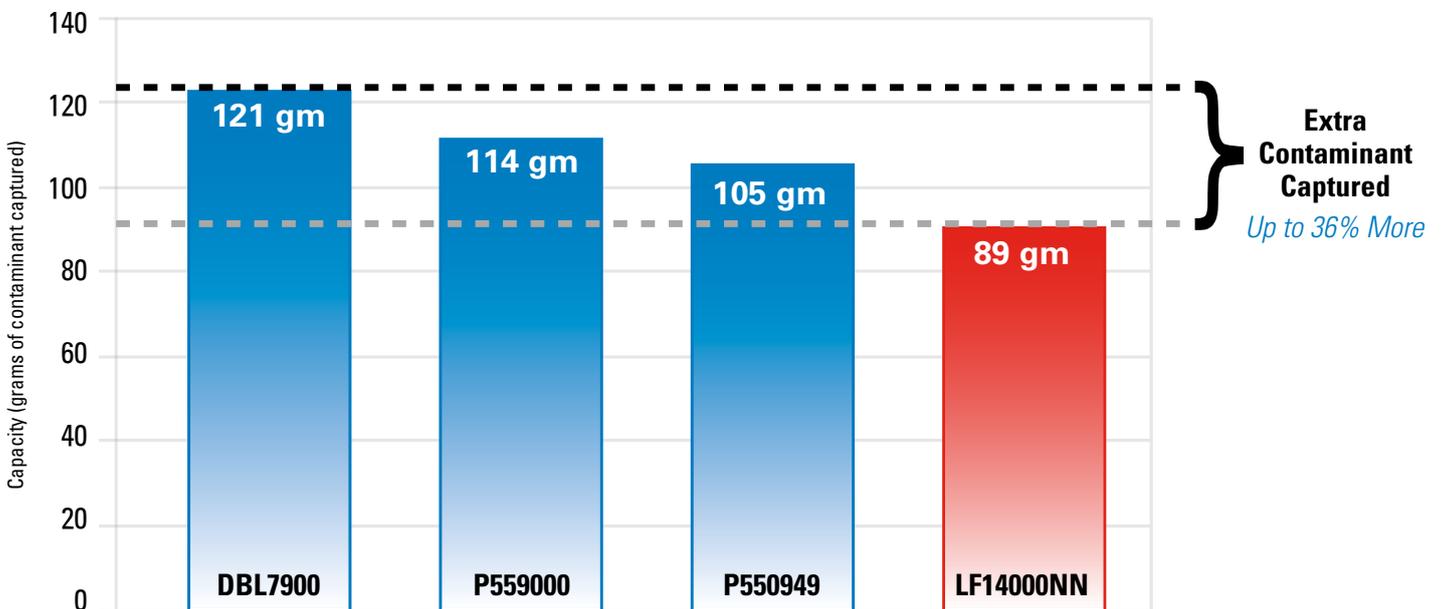
OTHERS MAY HAVE CAUGHT ON – But They Haven't Caught Up

We've been recommending our full-flow lube filters for ISX engines for decades. The fact is, our family of ISX lube filters STILL perform better where it counts – whether comparing to older stacked disk or the current OEM stacked filter arrangement.

Donaldson filters provide superior contaminant holding capacity (longer filter life) and filtration efficiency (contaminant removal). No matter how you stack it – Donaldson filters provide better protection for your ISX engines.

Holds up to **36%** more contaminant
THAN FLEETGUARD® LF14000NN FILTERS

Contaminant Holding Capacity



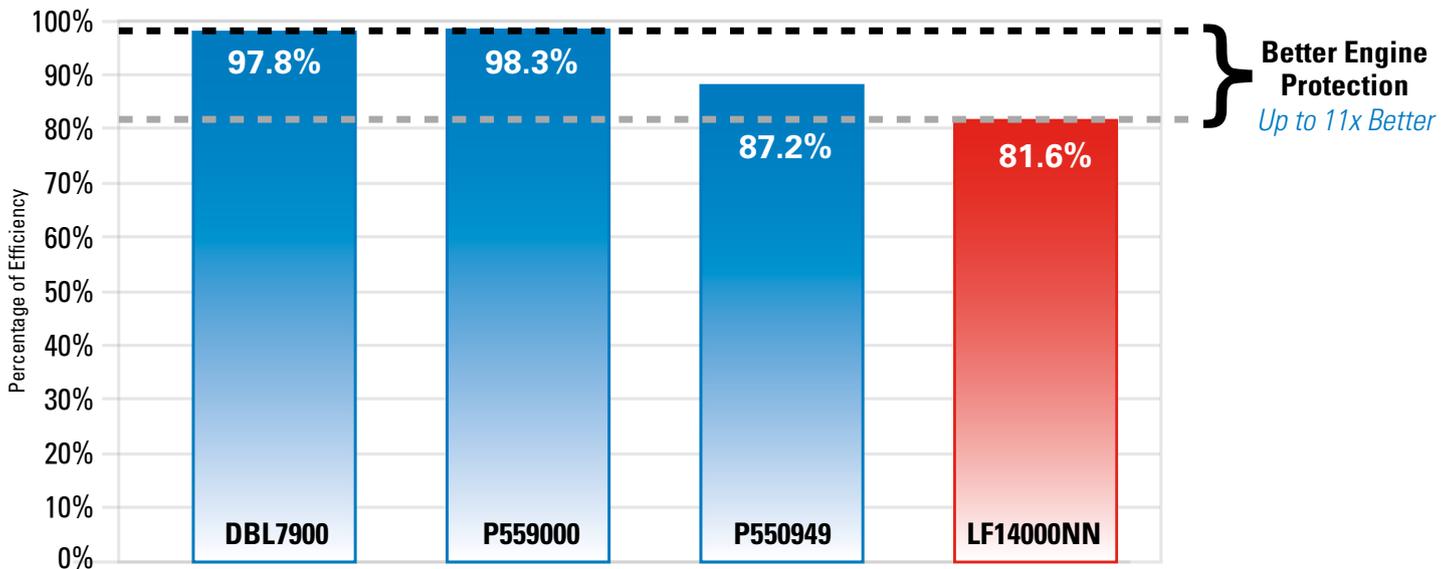
Donaldson filters catch more dirt

Donaldson filters offer superior sub-micron contaminant holding capacity – up to 36% more contaminant captured than the LF14000NN filter. Greater capacity means longer filter and lower maintenance and operating cost.

*Tested per ISO 4548-12. Flow Rate at 105 lpm.
Termination at 25 psid / 172.3 kPa.*

11x more efficient THAN FLEETGUARD® LF14000NN FILTERS

Contaminant Removal Efficiency



Donaldson filters protect engines

All Donaldson filters offer better filtration efficiency than the LF14000NN filter. Our higher-efficiency options average 11x fewer harmful particles downstream. Better efficiency means 11x fewer harmful particles make it downstream to your engine.

*Efficiency time weighted average at $\geq 15\mu\text{m}(c)$.
Tested per ISO 4548-12. Flow Rate at 105 lpm.
Termination at 25 psid / 172.3 kPa.*

EFFICIENCY MATTERS

Higher Efficiency = Better Engine Protection

How much dirt is reaching your engine components? Higher levels of contamination in your oil may result in accelerated wear and, ultimately, premature component failure.

LF14000NN filters can allow up to 11x more dirt to pass through the filter and on to your engine than Donaldson P559000 lube filters.

This illustration represents the relative amount of particles 15 microns and larger that pass through lube filters downstream to the engine.



= 98.3% =
Efficiency



= 81.6% =
Efficiency



CHOOSE THE FILTERS THAT PERFORM – Donaldson Has the Right Filter for You

Better Efficiency, Longer Filter Life, **MILLIONS** of Filters Installed with **BILLIONS** of Miles Traveled

OEM Efficiency

High Efficiency

STANDARD SEALS

HEAVY-DUTY SEALS



P550949

Reliable contaminant capture and capacity (life). If you've experienced filter plugging due to excessive sludge caused by soot or coolant contamination – this is the filter for you.

- Efficiency: 87% @ 15µm
>99% @ 30µm



P559000

Increased levels of contamination capture combined with good capacity. Offers a higher level of engine protection than the OEM standard option.

- Efficiency: 98% @ 15µm
>99% @ 30µm

Donaldson.
BLUE™



DBL7900

This premium filter will deliver with durable nitrile seals and heavy-duty potting materials to withstand extreme conditions and hot oil temperatures. Designed for extended service intervals.

- Efficiency: 98% @ 15µm
>99% @ 30µm

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.



Donaldson Filtration Products for Cummins® ISX Engines



Donaldson Part No.	Cummins	Fleetguard
Primary Fuel Filtration		
 P552203 • Efficiency: 95% @ 140µm	4010476	FF2203
Secondary Fuel Filtration		
 DBF5811 (15.0L) 2010 Engines and Newer • Efficiency: 99% @ 4µm	N/A	FF5811
 DBF6776 (11.9L) 2010 Engines and Newer • Efficiency: 99% @ 4µm	N/A	N/A
 P555686 (15.0L) 2010 Engines and Newer • Efficiency: 99% @ 5µm	3685306	FF5686
 P555776 (11.9L) 2010 Engines and Newer • Efficiency: 99% @ 5µm	2893612	FF5776
 P552200 Pre-2010 Engines • Efficiency: 99% @ 8µm	4088272	FF2200
Lube Filtration		
 P550949 OEM Efficiency • Efficiency: 87% @ 15µm >99% @ 30µm	2882674	LF14000NN
 P559000 High Efficiency • Efficiency: 98% @ 15µm >99% @ 30µm		
 DBL7900 High Efficiency, Long-Life Seals • Efficiency: 98% @ 15µm >99% @ 30µm	4906633	
Coolant Filtration		
 P550866 SCA+ 8 Units • Efficiency: 99% @ 50µm	4907485	WF2126
 P550867 Non-chemical • Efficiency: 99% @ 50µm	3680434	WF2127



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