



FF53093 Fuel Filter FAQs:

Stage II Fuel Filter Featuring NanoNet™ for Cummins QSX 11.9L and 15L T4i Engines

What is NanoNet?

NanoNet is a new patented filtration media that removes harmful hard particles before they can damage the fuel injection system.

Why are you introducing the FF53093 with NanoNet media?

According to the World Wide Fuel Council (WWFC), approximately 50% of diesel fuel globally does not meet ISO 18/16/13 at the retail pump. Cummins QSX T4i engines and many other engines use a high pressure common rail fuel (HPCR) system. The HPCR system requires that fuel cleanliness meet the ISO 12/9/6 specification code at the injectors in order to protect the injectors and meet manufacturers' specifications. FF53093 featuring NanoNet media meets or exceeds this requirement.

What application will the FF53093 fit?

The new FF53093 fuel filter is designed for CM2250 Cummins QSX T4i engines (11.9L and 15L) starting July 2012.

Will the FF53093 replace FF5686 and FF5776?

The FF53093 will be introduced as an upgrade to FF5805, FF5686 and FF5776 in July 2012. It is an OE recommended filter for Cummins QSX T4i engines (11.9L and 15L).

What is Beta-Ratio and how is it measured?

Beta-Ratio is the new measurement technique to measure the performance of filters. It is the ratio number of upstream particles entering the filter over the number of downstream particles leaving the filter. The lesser particles leaving the filter translate into higher Beta-Ratio, which directly relates to cleaner fuel delivered to the engine. The Beta-Ratio for FF53093 is 200, which is approximately 3.3 times better than the current filter.

When will I be able to purchase FF53093?

FF53093 will be available to purchase starting July 2012.

Will I be able to extend my service intervals with FF53093?

If fuel coming into the fuel system meets ISO 18/16/13, FF53093 may extend your service intervals. The main purpose of the FF53093 filter is to protect the fuel injection system from failing due to erosion and unusual wear caused by harmful particles.

How does the FF53093 save me money?

FF53093 saves you money by removing hard particles from your Fuel Injection Equipment (FIE) system, which reduces component wear in injectors and avoids premature injector failure.

Why is FF53093 priced higher than the FF5805, FF5686 and FF5776?

FF53093 uses the new NanoNet high performing filtration media which reduces the number of particles reaching the fuel injectors on your engine. This reduces the chance of premature injector failure. Reducing the wear on injectors will reduce equipment down time due to injector failure. The savings from reduced down time exceed the additional cost of the filters. As a result, users can experience considerable savings in Total Cost of Ownership.

I own equipment with QSX HD T4i engines and have never had an injector failure. Why do I need FF53093?

Injector wear is occurring all the time. Some owners will experience complete failure while others encounter reduced performance. The FF53093 cleans fuel to ISO 12/9/6 cleanliness levels, and reassures that your equipment will not be adversely impacted by particles in the fuel supply.

What is the purpose of the Engine Integrity Protection (EIP) interface in the FF53093 filter?

The EIP interface is a patented design in the filter which protects the end-users from putting will-fit filters with poor performance. By preventing the will-fit filters, we offer greater protection to the FIE equipment in the engine and increase the TCO of the engine from downtime incurred due to poor performance.



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LT36250
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