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REF: Oiling & Lubrication

HD Super Premium 5 vs Napa 7148 5 micron oil filter

Article by rocketmangb of the XLFORUM ¹⁾

Both filters have a top bypass.

This means that if the filter does bypass, oil runs across the top of the filter.

Unlike the old filters which had a bottom bypass (many still do).

A filter with a bottom bypass will wash the crap out of the media right in to the engine.

Both have synthetic media.

The HD filter uses a leaf spring to keep tension on the internals and keep them in place.

The Napa filter uses a coil spring.

However, the HD filter offers more media material to filter with. ²⁾

And the baseplate has more return holes.

HD Super Premium 5 Napa Gold 7148 - black version Napa Gold 7348 - chrome version ³⁾	Baseplates and seals left to right: HD Premium 5 - Napa 7148 - Napa 7348 ⁴⁾	This tubing cutter style tool was used to cut open the filters. ⁵⁾
		

Cutting open the Napa filter. ⁶⁾



Baseplate opened out exposing the drainback valve. ⁷⁾

Napa 7148 internals. ⁸⁾



Cutting open the HD filter ⁹⁾



HD filter internals ¹⁰⁾





The HD filter has more filter media.
Napa 7148 (L) - HD 63731-99A (R) ¹¹⁾

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1)

<https://www.xlforum.net/forum/sportster-motorcycle-forum/lubrication-and-lubricants/192740-hd-super-premium-5-vs-napa-7148-5-micron-oil-filter?t=2064599&highlight=oil+filter>

2)

ReddTigger of the XLFORUM

<https://www.xlforum.net/forum/sportster-motorcycle-forum/lubrication-and-lubricants/192740-hd-super-premium-5-vs-napa-7148-5-micron-oil-filter?t=2064599&highlight=oil+filter>

3) , 4) , 9) , 11)

photos by rocketmangb of the XLFORUM

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5) , 6) , 7)

photo by rocketmangb of the XLFORUM

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8) , 10)

photos by rocketmangb of the XLFORUM, annotations by Hippysmack

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