Product One Voice
Q & A

Product: AMSOIL Ea By-Pass Filter (EaBP)
Product Area: Filtration
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1. **Question:**
   What does the AMSOIL EaBP do?
   Answer:
   The EaBP serves the same function as the former AMSOIL BE series by-pass filters – only better. These improved by-pass filters offer additional contaminant removal and engine protection in support of the engine's full flow filter. These filters offer the ultimate in protection against wear, oil degradation, rust and corrosion. EaBP filters are designed to effectively remove contaminants that are less than five microns in size. In addition to keeping the oil free of virtually all wear-causing particles, the EaBP filter element actually serves as a soot-removal device.

2. **Question:**
   Why did AMSOIL change from the old series by-pass filter (BE) to the EaBP?
   Answer:
   In an effort to continually enhance the AMSOIL product line, new technologies are evaluated to provide the best products for Dealers and customers. AMSOIL now provides by-pass filters from its revolutionary Absolute Efficiency (Ea) line of filtration products. AMSOIL EaBP filters are superior to AMSOIL BE filters and other competitive by-pass products in several key areas. EaBP filters offer:
   a. Two stage media for superior filtering efficiency
   b. Soot removal capabilities
   c. Longer lasting HNBR filter gasket
   d. Long lasting silicone anti-rain back valve
   e. Zinc dichromate coated base plates for increased corrosion resistance
   f. Marine powder coated can for increased corrosion protection

3. **Question:**
   Is there an efficiency advantage of the EaBP over the BE?
   Answer:
   Yes. The BE filters had an efficiency of 98.6% at 3 microns with little soot removal capability. By contrast, the EaBP has an efficiency of 98.7% at 2 microns according to ISO 4548-12. In addition, soot removal was determined to be a time weighted average of 39% according to test method ISO/WD 23556:2002. Soot removal can be a very important benefit for consumers, especially for diesel customers.

4. **Question:**
   Do the EaBP filters last longer than the BE series by-pass filters?

Answer:
Yes. When used in conjunction with AMSOIL motor oil and an EaO or Donaldson Endurance filter, the EaBP should be changed every other full flow filter change up to 60,000 miles. When used with other brands of motor oil or full flow filters, the EaBP filter should be changed every other full flow filter change. AMSOIL recommends using oil analysis when extending oil drain intervals.

5. **Question:**
   Does AMSOIL still offer three by-pass filters?
   Answer:
   Yes, AMSOIL offers three by-pass filters: EaBP90, EaBP100, and EaBP110. The EaBP series filters are similar in size to there BE counterparts BE90, BE100, and BE110.

6. **Question:**
   Are the EaBP filters compatible with existing AMSOIL by-pass filter mounts?
   Answer:
   Yes. The thread size is the same as the BE series filters, 1”-16, and will fit on to BMK11, 12, 13, 15, 16, 17, and BMK18 filter mounts.

7. **Question:**
   What vehicles would use the EaBP filters?
   Answer:
   All vehicles and applications in which the AMSOIL BMK-11, 12, 13, 15, 16, 17, and 18 can use the EaBP filters. This translates into a wide variety of potential customers. By-pass filtration comes standard on certain heavy-duty turbo diesel engine applications from OEM’s such as Cummins, Mack and many more. It has been available as standard equipment or as an option from OEM’s like Caterpillar, John Deere, Case and others. But by-pass filtration is not just for heavy-duty diesel operators. It is a valuable commodity for anyone that wants to extend drain intervals and prolong engine life. It is also beneficial to vehicles that are exposed to high levels of contaminants on a regular basis.

8. **Question:**
   Are the EaBP filters designed to remove moisture from the lubrication system?
   Answer:
   No. With new EGR systems and increasing soot rates in diesel engines, the EaBP filters were designed for the most important functions of filtering small particles and soot. Water removal is not critical to performance since moisture evaporates when the engine is run at normal operating temperatures for 20 minutes or greater.

9. **Question:**
   Why do the EaBP filers cost more than the BE filters?
   Answer:
   Increased filter cost is due to the incorporation of new high efficiency media, corrosion resistant cans and base plates, long life gaskets and silicone anti-drain back valves. Quite simply, EaBP filters are a higher quality product that will provide better protection and longer service than the BE filters.

10. Question:

How is the correct EaBP filter for a specific application determined?

Answer:

The By-Pass Product Information Sheet on the AMSOIL Website provides access to a Filtration Systems Application Guide. This guide enables you to determine which filter element and optional components you will need for each application. Once on the AMSOIL Website, click the "Product Information" link at the top of the home page. Then click the "By-Pass Oil Filters" icon, which will open the Product Information Sheet. Then click the "Filtrations Systems Application Guide" link.

11. Question:

What is the EaBP warranty?

Answer:

AMSOIL warrants that its filtration products are fit for use according to AMSOIL recommendations and that its products are free of defective materials, design, and workmanship.

12. Question:

Can the EaBP filter be used for extended drain intervals?

Answer:

Yes, provided oil analysis dictates oil and filter change intervals. Extending oil drain intervals enables you to save money because you are changing your oil less often. You also help reduce America's dependency on foreign oil.

13. Question:

Does the EaBP have a by-pass valve?

Answer:

No. There is no need for by-pass valves in by-pass filters. By-pass systems are designed in such a way that if oil cannot flow through the media of the by-pass filter; the oil flow will simply flow past the by-pass system and be cleansed by the full flow filter.

14. Question:

Can the EaBP be mounted at any angle?

Answer:

AMSOIL recommends by-pass filters be mounted as close to vertical as possible. Even though the filters are equipped with an anti-drain back valve, vertical mounting guarantees the filter will not drain back to the sump. Additionally, AMSOIL recommends the oil filter be pre-filled with oil before installation and vertical mounting makes that process easy. Installation and servicing instructions are available on the By-pass Product Information sheet, which can be accessed on the AMSOIL Website.

15. Question:

What are the primary benefits that EaBP filters provide?

Answer:

EaBP filters provide many benefits that will result in significant cost savings to consumers.

a. Dramatically extended drain intervals: Customers save money by changing oil less often.
b. Improved oil cooling: Engines run cooler, which helps reduce wear on expensive equipment.
c. Increased filtration capacity and life: Oil is filtered more effectively, thus removing more wear particles and reducing the contaminants that cause engine damage.

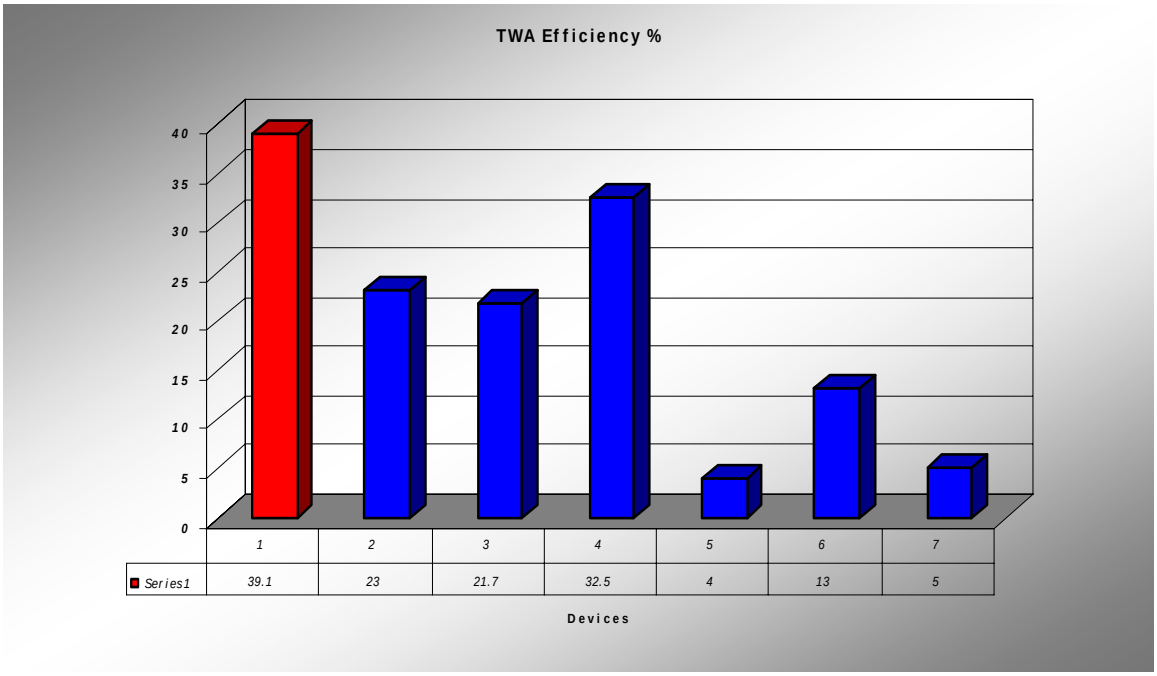
d. Increased fluid system capacity: The engine has more oil available to lubricate, cool and protect.
e. Efficient small particle and soot removal: Removes more of the contaminants that can cause engine wear and premature damage to engines.
f. Equipment constantly runs on clean oil: Equipment is better protected and will last longer.
g. Increased engine efficiency and better performance through reduced engine wear.
h. Removes particles less than two microns: Reduces the small wear causing contaminants that cannot be removed by full-flow filters.

16. Question:

How does the EaBP compare to other by-pass filters?

Answer:

Testing shows that the AMSOIL EaBP is more efficient than other by-pass filters, including centrifuge filters. The graph below shows the soot removal ability of several by-pass filters. The AMSOIL filter provides the best soot removal of the filters tested.



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