



Product One Voice

Q&A

Product: AMSOIL Heavy Duty By-pass System (BMK-30) and Filter (EaBP-120)

Product Area: Filtration/By-pass

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1. Question:

What benefits does an AMSOIL by-pass filter provide?

Answer:

The benefits of an AMSOIL by-pass filter include:

- Equipment constantly runs on clean oil, which extends engine life
- Extended oil drain intervals through oil quality monitoring
- Improved oil cooling by increasing the fluid system capacity
- Anti-wear protection through small particle and soot removal
- Easy installation

2. Question:

Why is AMSOIL introducing a larger, single element by-pass system?

Answer:

AMSOIL recognizes the large sales potential for Dealers and customers in the heavy-duty diesel market, and the need for soot removal and extended drain intervals provided by AMSOIL by-pass technology.

- The BMK-30 by-pass system is a more economical package compared to the BMK-22 system which also requires the installation of two EaBP-90, 100, or 110 by-pass filters.
- The BMK-30 requires one filter change vs. two filter changes on the BMK-22 system.
- The BMK-30 configuration is the more accepted format in the heavy-duty market place.
- The BMK-30 system has a smaller vertical footprint than the existing BMK-22 which makes installation easier.

3. Question:

What are the product codes for these new by-pass units?

Answer:

The Heavy Duty By-pass System is designated BMK-30 and the associated filter is the EABP-120.

4. Question:

What does the BMK-30 kit contain?

Answer:

The BMK-30 kit contains do-it-yourself hose end fittings, a filter mount, mounting hardware, wire ties, and installation instructions.

5. Question:

Why is hose not supplied with the kit?

Answer:

Due to the variability of heavy-duty applications and different filter assembly locations, AMSOIL leaves the hose length determination to the installer. Hose for these kits is available for purchase on a per foot basis from AMSOIL by ordering part number BP-250.

6. Question:

Does the EaBP-120 perform any differently than the EaBP-90, 100, or 110?

Answer:

No. AMSOIL is utilizing the same filtration technology in the new EaBP-120. Efficiency will continue to be 98.7% at 2 microns (ISO 4548-12), and soot removal is also rated at 39% at less than one micron (ISO 23556).

7. Question:

What types of applications can use the BMK-30?

Answer:

Class 6, 7, and 8 heavy duty trucks, off-road equipment, buses, generators, marine engines, logging, and agricultural equipment. It can be used in virtually any type of diesel engine equipment that can house the BMK-30 mount and EaBP-120 filter.

8. Question:

What is the required increase in oil capacity when the BMK-30 and filter is installed?

Answer:

Approximately one gallon.

9. Question:

How often is the EaBP-120 changed?

Answer:

AMSOIL recommends the EABP-120 be changed every other full flow filter change up to 90,000 miles. Extended oil drain intervals should always be accompanied with an oil analysis program (contact Oil Analyzers, Inc. at: 715.395.0222).

10. Question:

What are the general installation guidelines for the BMK-30?

Answer:

Determine the location of a pressurized oil port on the engine. Pressure ports are usually found on the main oil galley or in close proximity to the full flow filter head assembly. The oil flow from this source is plumbed into the inlet side of the filter mount. The outlet will be directed to a low pressure point on the engine, typically to a port located at or near the oil pan.

11. Question:

Does the BMK-30 kit have all the necessary fittings for installation?

Answer:

No. The installer must purchase the necessary hose (from AMSOIL). Also, due to the tremendous number of engines that use different port sizes, the installer must determine the high and low pressure fitting size located on the engine to adapt to the 1/2" JIC hose fittings which are available in the kit.

12. Question:

Are replacement parts available for the BMK-30 kit?

Answer:

Yes. All parts are available from AMSOIL.

13. Question:

If the EaBP-120 filter is damaged and no replacement is available, can another filter temporarily be installed?

Answer:

Yes. An AMSOIL EaO99, Donaldson ELF7405, Donaldson P554005, or comparable CAT filter with 1 1/2"-16 thread can be used.

14. Question:

Where can engine adapter fittings which connect to the kit's 1/2" JIC hose fittings be purchased?

Answer:

Normally, adapter fittings of this type can be purchased from any local hydraulics or heavy duty equipment outlet. In addition, Parker or Fastenal retail outlets may carry the specific adaptor.

15. Question:

Does AMSOIL offer mounting and installation location recommendations?

Answer:

Yes. Contact AMSOIL Technical Service for assistance.

16. Question:

Is a free oil analysis available with the purchase of the BMK-30?

Answer:

Yes. The purchase of every new BMK-30 entitles the Dealer/customer to receive one free oil analysis kit from Oil Analyzer's, Inc. (Part Number: OAI06).

17. Question:

Are the AMSOIL BMK-30 and EaBP-120 competitively priced?

Answer:

Yes! The AMSOIL kit and filter offer state-of-the-art filtering performance in a package that is hundreds of dollars less than the competition. AMSOIL Dealer pricing for a BMK-30 kit, equipped with an EaBP-120 by-pass filter and 10 feet of hose (both purchased separately), is approximately \$170, while competitors such as Gulf Coast, Spinner Centrifuge, Oil Purification System, Advanced Filtrations Solutions and Cleantechnics range from \$500 to \$1000, not including hoses or fittings.

18. Question:

Is the BMK-30 system rugged enough to withstand the demands of off-road construction, agricultural, or logging operations?

Answer:

Yes. The filter mount is high quality cast aluminum with a steel filter spud that has been tested through many years of service in the most extreme conditions. To resist chemical and environmental breakdown, the filter mount has been sandblasted and finished with a thick layer of powder coat paint.

19. Question:

Can extremely large engines such as V12 and V16 diesels use the BMK-30 system?

Answer:

Yes. The BMK-30 system can be plumbed in series using a 3/8" NPT connector between the outlets to inlet of the adjacent filter mount. Contact AMSOIL for more information.

20. Question:

If a customer would like to return a recently purchased BMK-22 which has not yet been installed and replace it with a BMK-30, what are his or her options?

Answer:

If the BMK22 is in saleable condition, regular AMSOIL return policies apply, and if approved, a credit will be given due to the lower price of the BMK-30.

Jeff Fisher

866-292-4700

www.SyntheticOils.us