

Cat[®] Advanced High Efficiency Engine Oil Filters



Improved Filtration for a Cleaner Engine

Cat Advanced High Efficiency Engine Oil Filters increase contamination control performance providing for a much cleaner running engine lubrication system. Cat Advanced Oil Filters provide enhanced filtration without the shorter change intervals often required by other brands' higher efficiency filters.

The Cat 1R-1807 and 1R-1808 filters contain an improved, higher efficiency filter media. This media is designed to increase contaminant capturing efficiency while maintaining excellent dirt holding capacity characteristics.

The Cat 1R-1807 and 1R-1808 filters offer better filtration efficiency than standard oil filters, improved engine cleanliness and a longer component life.

CATERPILLAR[®]

Cat Advanced High Efficiency Engine Oil Filters

An Option for Improved Engine Oil Filtration

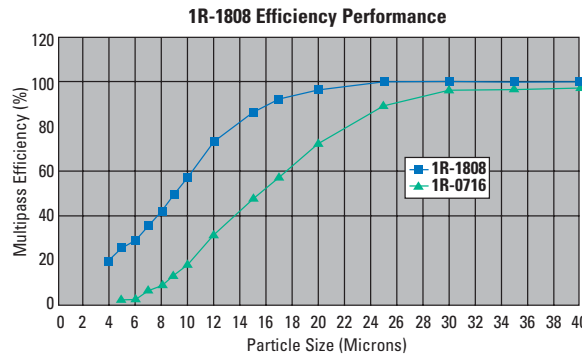
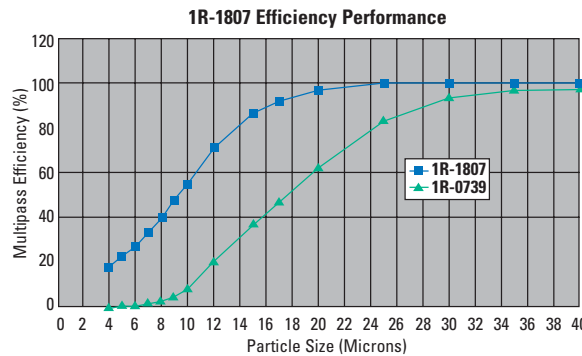
The Cat Advanced Oil Filters are now installed on new engines in production. They are also the approved upgrade option for Cat engine models that use the 1R-0739 and 1R-0716 Standard Efficiency Engine Oil Filters.

Cross Reference

Cat Standard Efficiency Engine Oil Filter	Cat Advanced High Efficiency Engine Oil Filter
1R-0739	1R-1807
1R-0716	1R-1808

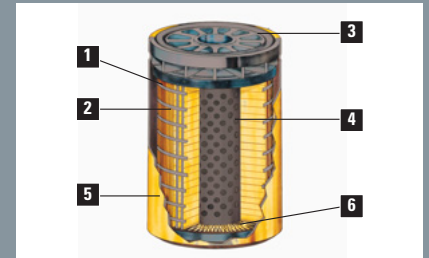
Improved Filtration for Less Wear

To increase contamination control capability, the Cat Advanced Oil Filter combines improved filtration efficiency, excellent contaminant holding capacity and low pressure drop characteristics. The graphs to the right demonstrate in blue the improved filtration efficiency the 1R-1807 and 1R-1808 filters offer over the corresponding standard efficiency filters. The result is less wear on oil lubricated engine parts.



Consistent Quality from Filter to Filter

Caterpillar engineers its liquid filters to avoid metal contaminants, leaks, pleat bunching and movement. Cat liquid filters have:



- 1) Spiral roving and beading for pleat stability to better trap and hold particles
- 2) Properly cured filter media for long performance and life
- 3) One-piece aluminum base plate
- 4) Strong nylon center tubes to prevent metal contamination
- 5) A heavy gauge canister for structural strength
- 6) One-piece molded urethane end caps to eliminate leaks

Caterpillar manufactures over 80 percent of its liquid filter volume on an automated assembly line. This strict quality control eliminates variation from part to part.

For more information, visit us on the Web at www.cat.com

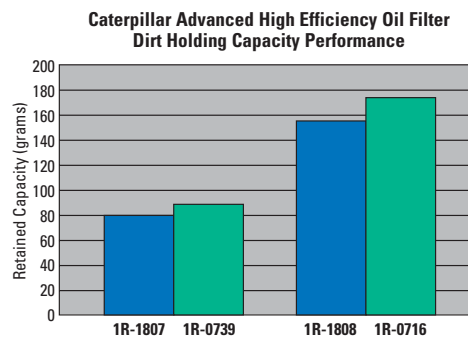
CAT® DEALERS DEFINE WORLD-CLASS PRODUCT SUPPORT.

We offer you the right parts and service solutions, when and where you need them.

The Cat Dealer network of highly trained experts keeps your entire fleet up and running to maximize your equipment investment.

Negligible Impact on Contaminant Holding Capacity

The Cat Advanced Oil Filter provides improved filtration efficiency with little effect on dirt holding capacity. Therefore, the condition of the oil as determined by S•O•SSM



Improved efficiency with minimal loss in reserve capacity and no impact on recommended change interval.

Services Analysis, and not filter capacity, is the major factor in determining the recommended oil change interval. The bar graph to the left illustrates the relative dirt holding capacity of the Advanced Filters and corresponding Standard Efficiency Filters.