

# Cat<sup>®</sup> Advanced Efficiency Engine Oil Filters



## Improved Filtration for a Cleaner Engine

Two new oil filters increase contamination control performance providing for a much cleaner running engine lubrication system.

Cat Advanced Efficiency Engine 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 high efficiency filter media to accumulate dirt more quickly while maintaining excellent dirt holding capacity. They offer better filtration efficiency than Standard Oil Filters, improved engine cleanliness, and component life.

The Cat Advanced Efficiency Engine Oil Filter combines increased filtration efficiency, and excellent dirt holding capacity characteristics to trap and hold more contaminants and keep your engine cleaner.

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

**CATERPILLAR<sup>®</sup>**

# Cat Advanced Efficiency Engine Oil Filters

## An Option for Improved Engine Oil Filtration

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

### Cross Reference

#### Cat Advanced Efficiency Engine Oil Filter

1R-1807  
1R-1808

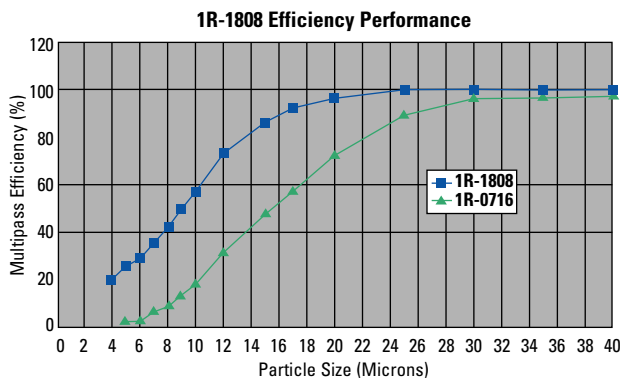
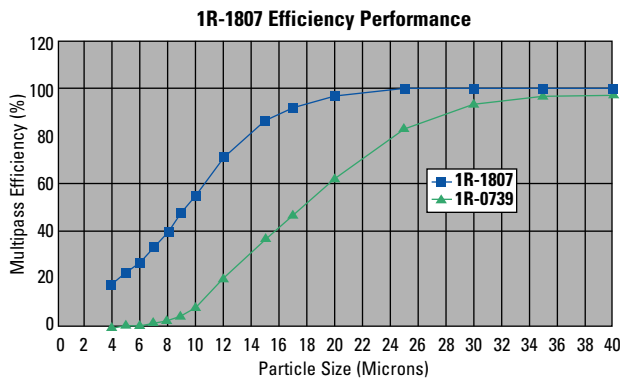
#### Cat Standard Efficiency Engine Oil Filter

1R-0739  
1R-0716

## Improved Filtration for Less Wear

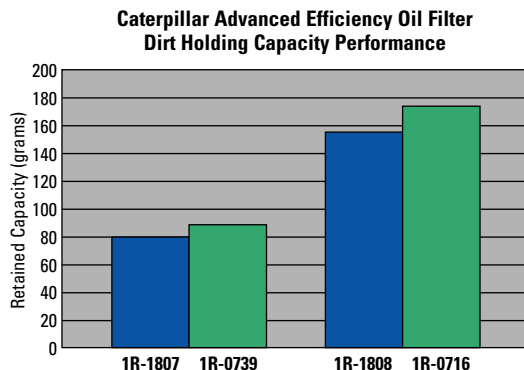
To increase contamination control capability, the Cat Advanced Efficiency Engine Oil Filter combines improved filtration efficiency, excellent dirt holding capacity and low pressure drop characteristics.

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.



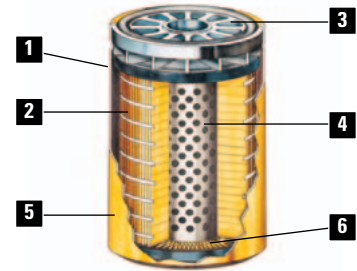
## Negligible Impact on Dirt Holding Capacity

The Cat Advanced Efficiency Engine Oil Filter provides improved filtration efficiency with little effect on dirt holding capacity. Therefore, the condition of the oil as determined by S·O·S<sup>SM</sup> 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 Efficiency Filters and corresponding Standard Efficiency Filters.



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

## Consistent Quality from Filter to Filter



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

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

Caterpillar manufactures over 80 percent of its liquid filter volume on an automated assembly line, doing away with virtually all human handling. This strict quality control eliminates variation from part to part.

For more information, see us today or visit our web site at [www.cat.com](http://www.cat.com)

