

Procedure for removing sludge from an engine using AMSOIL Products

1. Use the [AMSOIL engine flush¹](#) product according to directions.
2. Change oil and filter² with a quality conventional oil. Drive 500 miles and check and see if there is still sludge in the engine. If it seems to be free of sludge then change oil and filters using [AMSOIL synthetic OE](#) or [XL synthetic motor oil](#). You can also do another flush at this time. Drive 3,000-5,000 miles. During this time the high detergent in AMSOIL synthetic motor oils will continue to clean your engine. If there is still a significant amount of sludge, repeat #2 again with an engine flush and 500 mile oil change. Repeat until desired results are achieved then move to step 3.
3. At no longer than 5,000 miles (using AMSOIL synthetic oil), change oil and filters. At this time, determine if you can safely extend oil changes to 10,000 using [AMSOIL XL synthetic motor oil](#). (Your engine should look clean, the oil should be still clean at the 5,000 mark.)

*During this oil change interval as well as during previous oil changes, **monitor your engine oil levels to determine if there is higher than normal consumption.** Sometimes during the cleaning phase you can have higher consumption.*

4. After the 10,000 mile oil change now you can decide if you would like to move up to the [Signature Series Oil](#). Signature Series Motor Oil is the premier line of AMSOIL engine oils which are capable of going up to 25,000 miles or 1 year in normal service and 15,000 miles in severe service.

Lastly, the best cure is prevention. Preventing sludge build up in your engine is critical to long engine life and best performance/fuel economy over its lifetime.

Using a high quality synthetic engine oil like [AMSOIL Signature Series](#) can help prevent sludge.

When using lower quality oils (synthetic and conventional) change oil more often.

¹ [AMSOIL engine and transmission flush](#) is safe on parts and can be easily disposed of with waste oil. This product is additive based. This safe and effective engine cleaner has been tested and used for many years on all types of engines and transmissions.

² It is important to change filters at each oil change. Removed sludge will be trapped by the filter. During sludge removal, filters can be clogged. A clogged oil filter can cause engine damage. We recommend [AMSOIL EaO Absolute Efficiency Filters](#) for the best filtration and engine protection (AMSOIL Ea Oil Filters (EaO, Ea15K) have one of the best efficiency ratings in the automotive market providing a filtering efficiency of 98.7 percent at 20 microns.)

⁴ AMSOIL products are designed to be used in mechanically sound engines. Use this procedure at your own risk. We imply no warranty except as stated by the AMSOIL product warranty. AMSOIL engine flush and assorted products make no claims to fix or repair mechanical problems.

Visit www.lube-direct.com for more information.

This procedure was developed by Michael Sparks, AMSOIL Direct Jobber and may not reflect the recommendations from AMSOIL Inc. Always follow product recommendations listed on the bottle.