

Forwarded to Motorlife Distributors:

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Why did we acquire the EFM100?

For a while, WMATA buses used double drain procedure to evacuate dirt and sludge out of the diesel engines. Some buses also required some disassembly to manually scrape out the caked carbon build up. All these procedures consumed a lot of resources and took several man hours sometimes days to complete. With more than 1500 buses in the fleet, timely de-sludging engines along with regular maintenance repairs was an impossible feat.

After scouring all venues for a solution, we found EFM100 and invited the company to demonstrate their product to our buses. Life cycle cost analysis was conducted and proved usage of the machine was more cost effective than using the double drain process to flush the engines. We borrowed the demo machine and tested it in one of our facilities with the most soot prone buses for a whole year. The garage was instructed to use the flushing machine every time an analyzed oil samples resulted in critical. Regular oil analysis was employed and found its cleaning effectiveness and usage of the flush machine and its solution to have no adverse effects to the engine. The mechanics favored the EFM100 because it is fast, efficient and simple to use.

After the test and evaluation 12 machines were procured and deployed in all our facilities. The flushing machines became a part of the preventive maintenance to control soot build up, extract ingested abrasives from the engines and are also utilized before an engine teardown. Soon after, other transit authorities from different locales also began to follow our lead. It uses a non caustic vegetable oil that is reused several times versus 14 gallons of oil wasted every double drain flush. Not only is it good for what it does, it does so in an eco friendly way. It reduces our ecological footprint and dependence on foreign oil by cutting consumption.

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