



TECHNICAL BULLETIN

USE OF ENGINE OIL MEETING VOLVO VDS-5 PERFORMANCE REQUIREMENTS IN VOLVO AND MACK ENGINES

VDS-5 is Volvo's new, top quality engine oil specification. It was developed to help significantly improve the fuel economy of Volvo engines and extend the engine's oil drain intervals by formulating it with a powerful additive package to help prevent oil degradation caused by oxidation.

EOS-5 is the Mack version of VDS-5, and oils meeting either specification have the same great quality. VDS-5 and EOS-5 quality oils are only suitable for 2021 GHG and newer fuel-efficient Mack MP 8 or Volvo D13 engine builds. Oils meeting this specification are not backwards compatible to use in older engines. This is because VDS-5 requires a lower viscosity which results in lower oil pressure and would lead to multiple dashboard warning triggers in these older engines.

One way to tell the difference between old and new Mack MP 8 engines is to look at the oil filters. The 2021 fuel efficient Mack MP 8 has two oil filters. Older engine models have three oil filters. The Volvo engines that can use VDS-5 quality oil are the 2021 GHG and newer D13 engines with 42L/44qt oil pans.

The use of VDS-5 quality oil is not an exclusive requirement. All Volvo and Mack engines, including the latest 2021 13L Euro VI Step D, can also use VDS-4.5 quality oil. It is OK to run VDS-4.5 quality oils on current production Volvo or Mack engines. If you are running a VDS-4.5 quality oil, you need to adhere to the VDS-4.5 oil drain interval requirements. These requirements can be found in the Volvo Service Bulletin "Preventative Maintenance Intervals."