



EGR Units Call for Stringent Diesel Oil Specs. API CI-4 and Mack EO-N Premium Plus specifications indicate demand for higher quality diesel oils.

New Environmental Protection Agency(EPA) pollution regulations, which require a 50 percent reduction in diesel emissions are set up to go into effect in October. Engine manufacturers have answered this mandate with exhaust gas recirculation (EGR) units which recirculate a portion of the exhaust into the engine's combustion chamber to incinerate pollutants. These EGR units have a significant impact on the engine oil, prompting the American Petroleum Institute (API) to take them into consideration for its next diesel oil performance specification, CI-4.

([PRWEB](#)) August 11, 2002 -- The main drawback associated with EGR-equipped engines is the high level of soot introduced into the engine oil. These high soot levels can lead to higher soot related wear, as well as increases in oil viscosity. EGR is also expected to negatively affect engine operating temperatures, oil oxidation and cold-start pumpability.

API CI-4 diesel oils are expected to provide optimum protection for EGR engines, as well as be "backward compatible" for existing engines. Areas directly addressed in CI-4 include "corrosive and soot related wear tendencies, piston deposits, degradation of low and high-temperature viscometric properties due to soot accumulation, oxidative thickening, loss of oil consumption control, foaming, degradation of seal materials and viscosity loss due to shear.

AMSOIL 15W-40 Synthetic Blend Diesel Oil (PCO), Synthetic Heavy-Duty Diesel and Marine Oil (AME), and Series 3000 Synthetic 5W-30 Heavy Duty Diesel Oil (HDD) are recommended for and provide superior lubricating protection in both EGR and non-EGR equipped diesel engines for extended drain intervals.

In order to assure top performance in EGR equipped engines, some equipment manufacturers have released their own tough engine oil performance specifications. Currently the Mack EO-N Premium Plus High Performance Diesel Engine Oil Specification is the most stringent in the industry. Amsoil's 15W-40 Synthetic Blend and Series 3000 Heavy Duty 5W-30 Diesel and Marine are on Mack's approved oils list.

Information from Amsoil Inc. can be seen and requested on www.lubedealer.com/hiebert



Contact Information

Rudy Hiebert

Amsoil Inc. Dealer

<http://www.lubedealer.com/hiebert>

604-854-5490

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