

Future Engine Fuel and Lube Filtration Needs
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Internal combustion engines are the foundation of modern transportation systems. Since early in the 20th century, gasoline and diesel engines have been the primary source of motive power for transportation. Looking ahead, sweeping changes are occurring which will significantly change this landscape. The traditional gasoline and diesel fueled engines are evolving to provide greater fuel efficiency and reduced emissions. In addition, new classes of engines, notably gasoline and diesel hybrids, natural gas and hydrogen powered engines, as well as fuel cell powered vehicles, are being introduced. Associated with these changes will be the introduction of new fuels and lubricants with differing characteristics. This paper will discuss future needs that will arise as filtration adapts to these new challenges and requirements.