



Arizona AGRI-FILE

NEW MOTOR OIL SERVICE CLASSIFICATIONS

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The American Petroleum Institute Division of Marketing has announced new designations for motor oils. The new classification system is intended to promote better communication among users, suppliers, and manufacturers of engine oil.

The new API system establishes nine classifications of engine oil. These classifications were developed jointly by the American Petroleum Institute, the Society of Automotive Engineers, and the American Society for Testing Materials. They will replace the five current designations for motor oil, MS (Motor Severe), MM (Motor Moderate), DS (Diesel Severe), DM (Diesel Moderate), and DG (Diesel General).

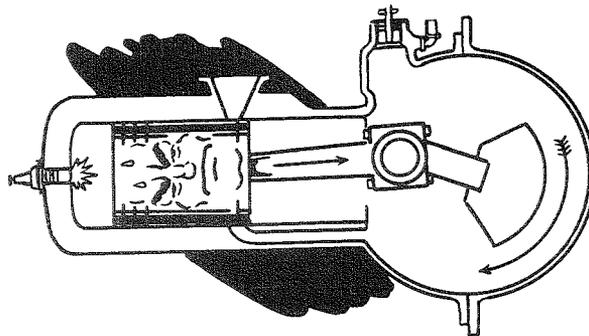
The nine classifications are divided into two groups. The "S" group is primarily for passenger car and light truck service. The "C" group is for commercial use such as heavy fleet equipment, contractor equipment, farm equipment and heavy duty diesel and gasoline equipment.

GROUP "S" MOTOR OIL CLASSES

- SA A non-additive type oil for utility gasoline and diesel engine service under mild conditions. There are no performance requirements.
- SB For minimum duty gasoline engine service where only minimum protection by additives is required. Oils provide anti-scuff capability and provide resistance to oil oxidation and bearing corrosion.
- SC For engines in 1964 through 1967 cars and truck models with engine manufacturers' warranties in effect, provides control of high and low temperature deposits, wear, rust, and corrosion in gasoline engines.
- SD For service typical of gasoline engines in cars and trucks beginning with 1968 models and operating under engine manufacturers' warranties. Oils provide protection from high and low temperature engine deposits, wear, rust and corrosion in gasoline engines which are satisfactory for API service classification SC and may be used when API service classification SC is recommended.

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SE A new SPI service classification has been adopted by car manufacturers to be used for 1971 and 1972 models. This type of oil resists thickening at high temperatures and has improved fluidity at low temperatures. May be used when classification SD was recommended on earlier models.

GROUP "C" MOTOR OIL CLASSES

- CA For service with diesel engines operated in mild to moderate duty with high quality fuels. Oils provide protection from bearing corrosion and from high temperature deposits in normal (not supercharged) diesel engines when using fuels of such quality that they impose no unusual requirements for wear and deposit protection.
- CB For service with diesel engines operated in mild to moderate duty, but with lower quality fuels which necessitate more protection from bearing corrosion and from high temperature deposits in normal (not supercharged) diesel engines with higher sulfur fuels.
- CC For service with lightly supercharged diesel engines operated in moderate to severe duty and certain heavy-duty gasoline engines. Oils provide protection from high temperature deposits in the lightly supercharged diesels and also from rust, corrosion and low temperature deposits in gasoline engines.
- CD For service with supercharged diesel engines in high-speed, high output duty requiring control of wear and deposits. Oils provide protection from bearing corrosion and from high temperature deposits in supercharged diesel engines when using fuels of a wide quality range.