



## CAR ENGINE OIL VS TWO WHEELER ENGINE OIL

Thus, the engine oils for cars and motorcycles are different, and even if the ratings might look similar, one should only use engine oils specific to cars and motorcycles and not commit the mistake of interchanging the two varieties.

The difference in the two varieties of engine oils is also highlighted by JASO standard, which is exclusive to motorcycle oils, and doesn't apply to car engine oils. What is that now, you might ask. Well, the characteristics and performances of lubricants are managed by region specific (some globally applicable too) organizations as API, ACEA, and SAE through specific norms. These bodies define technical requirements for an engine to qualify for a certain performance grade. Some of the most important organizations are listed below



- American Petroleum Institute (API)
- Society of Automotive Engineers (SAE)
- Independent Lubricant Manufacturer Association (ILMA)
- European Automobile Manufacturers Association (ACEA)
- Japanese Automotive Standards Organization (JASO)
- As you must have noticed, JASO is the Japan specific body here. However, knowing Japan's deep rooted association with performance motorbikes, certain JASO standards are almost globally (including India) accepted to rate the performance grade of engine two-wheeler oils.

The Grading system for motorcycles was developed by JASO in 1998. As mentioned before, additives like friction modifiers used for cars aren't good for motorcycle engines. The new grading system, thus, measured the engine oil's resistance to clutch friction or slippage, among other things