

SMALL ENGINE OIL

PURPOSE

- Lubrication during high torque engine operation
- prevent gear pitting
- reduce exhaust smoke emissions
- detergency to clean the engine

INDUSTRY STANDARDS

- Japanese Automotive Standards Organization sets the industry standards for 4T oils
- JASO MA. For a single oil system for engine, gearbox and wet clutch that do not require an oil with friction modifiers.
- JASO MB. Lowest friction oils for four-cycle motorcycles.
- Japanese Automotive Standards Organization sets the industry standard for 2T oils
- JASO FB. Set stricter limits for detergency, exhaust smoke, exhaust system blocking, & lubricity.
- JASO FC. Set increased requirements for detergency, exhaust smoke & exhaust system blocking.
- JASO FD. Current standards require even higher detergency.
- American Petroleum Institute set the TC specification for exhaust smoke in two-stroke engines.
- National Marine Manufacturers Association sets marine engine oil standards
- TC-W3. Set the requirements for reducing emissions, reduce the oil-to-fuel mixture ratio, and extend engine service life.
- FC-W. Limits marine engine emissions to protect the marine environment.
- FC-W Catalyzt. Compatible with four-cycle engines equipped with a catalyst system.

TYPICAL APPLICATIONS

- Air-cooled two cycle engines
- Outboard marine engines
- Lawn mowers, String trimmers & Leaf blowers
- Chain saws
- Four-cycle Motorcycles
- Two-cycle Scooters
- Other Two-cycle and four-cycle engines by Honda, Briggs & Stratton, Kohler

