

TECHNICAL INFO

ORGANISATION

API AMERICAN PETROLEUM INSTITUTE

<http://www.oilspecifications.org/api.php>

ACEA EUROPE

<http://www.oilspecifications.org/acea.php>

JASO JAPAN

Japanese motorcycle manufacturers found the limits demanded by the API TC specifications too loose. Oils meeting the API TC standard still produced excessive smoke and could not prevent exhaust blocking. Therefore the Japanese Engine Oil Standards Implementation Panel (JASO) introduced the following specifications:

JASO FA Original spec established regulating lubricity, detergency, initial torque, exhaust smoke and exhaust system blocking.

JASO FB Increased lubricity, detergency, exhaust smoke and exhaust system blocking requirements over FA.

JASO FC Lubricity and initial torque requirements same as FB, however far higher detergency, exhaust smoke and exhaust system blocking requirements over FB.

JASO FD Same as FC with far higher detergency requirement.

Find out more about JASO's 2T specifications from their website.

JASO has created its own 4 - Stroke motorcycle standard - JASO T 903 - which now has three grades - MA, MA1 and MA2 - to facilitate the choice of lubricants that are specifically developed for wet clutch applications. JASO MA2 offers the most efficient friction levels to guarantee the clutch engagement during the three riding modes: starting, acceleration and constant speed

JASO MB MB grade oils are classified as the lowest friction oils among motorcycle four-cycle oils. Not to be used where a JASO MA grade oil is required.