

Two-stroke Cycle Gasoline Engine – Engine Oils – Classifications

Preface

This standard was enacted in 1993 and revised twice before today. The previous revision took place in 2018 and it is revised this time to address changes in equipment for evaluating exhaust smoke density.

Note: Below is the equivalent international standard to this standard.

ISO 6743-15, Lubricants, industrial oils and related products (class L) – Classification –
Part 15: Family E (Internal combustion engine oils) (MOD)

1. Scope

This standard specifies the test procedures for evaluating the lubricants used in two-stroke-cycle gasoline engines such as motorcycle engines, utility engines, and outboard engines, etc. (hereinafter referred to as “two-stroke oil”)

2. Applicable Standards

The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. As to those normative references, the most recent editions thereof shall be applied.

JIS K 2265-3 Determination of flash point Part 3: Pensky-Martens closed cup method

JIS K 2265-4 Determination of flash point Part 3: Cleveland open cup method

JIS K 2272 Crude oil and petroleum products – Determination of ash and sulfated ash

JIS K 2283 Crude petroleum and petroleum products --Determination of kinematic viscosity and calculation of viscosity index from kinematic viscosity

JASO M 340 Two-stroke-gasoline engine – Engine oils – Lubricity test procedure

JASO M 341 Two-stroke-gasoline engine – Engine oils – Detergency test procedure

JASO M 342 Two-stroke-gasoline engine – Engine oils – Smoke test procedure

JASO M 343 Two-stroke-gasoline engine – Engine oils – Exhaust system blocking test procedure