



## **DRAFT TANZANIA STANDARD**

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**Lubricants, industrial oils and related products (class L) -Family E  
(internal combustion engine oils) -Specifications for oils for use in  
four-stroke cycle motorcycle gasoline engines and associated  
drivetrains (categories EMA and EMB)**

**TANZANIA BUREAU OF STANDARDS**

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## **National foreword**

The Tanzania Bureau of Standards is the statutory National standards body for Tanzania, established under the Act.No.3 of 1975, amended by Act.No.2 of 2009.

This Draft Tanzania Standard is being adopted by Lubricants and oils products Technical Committee under the supervision of the Chemicals Divisional Standards Committee.

This Draft Tanzania Standard is the identical adoption of ISO 24254:2007 Lubricants, industrial oils and related products (class L) -Family E (internal combustion engine oils) -Specifications for oils for use in four-stroke cycle motorcycle gasoline engines and associated drivetrains (categories EMA and EMB)

This Draft Tanzania Standard, recognize alternative naming used by JASO Standards where EMA and EMB may be named as MA and MB respectively shall be

## **Terminology and conventions**

Some terminologies and certain conventions are not identical with those used as Tanzania standards; attention is drawn especially to the following: -

The comma has been used as a decimal marker for metric dimensions. In Tanzania Standards, its current practice to use full point on the baseline as the decimal marker.

Where the words "International Standard(s)" appear, referring to this standard they should read "Tanzania Standard".

## **Scope**

This International Standard specifies the requirements of lubricating engine oils (hereinafter referred to as "four-stroke engine oils") to be used in four-stroke cycle spark ignition gasoline engines employing a common sump containing the lubricating oil for both the engine and associated drivetrain (transmission, clutch, starter) of motorcycles, motor scooters, all-terrain vehicles (ATVs) and related equipment. Classification of four-stroke engine oils is defined in ISO 6743-15. Among all of the categories covered by ISO 67 43-15 this International Standard includes categories EMA and EMB.

This International Standard specifies the performance classification of four-stroke cycle gasoline engine oils based on physical and chemical properties, and three friction performance indices, which are derived from the frictional properties of the lubricant, according to the JASO T904 test procedure

NOTE For the purposes of this International Standard, the term "% (*m/m*)" is used to represent the mass fraction.