

ICS 75.100
CCS E 60



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 2433-2001

Replacing GB/T 2433-1981

**Petroleum products -- Lubricating oils and additives --
Determination of sulphated ash**

添加剂和含添加剂润滑油硫酸盐灰分测定法

(English Translation)

Issued on: September 4, 2001

Implemented on: March 1, 2002

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People Republic of China**

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What this standard covers

This standard specifies: Determination unused with additives for lubricants and lubricating reconcile additive concentrates sulfated ash content methods. These additives typically comprise one or more metals: barium, calcium, magnesium, zinc, potassium, sodium and tin pigment. And elemental sulfur, phosphorus, chlorine and places bound form. This standard measurement sulfated ash the lower limit of 0.005 wt%. When less than 0.02% sulfated ash, This standard applies only to contain only ash additive lubricants. This standard does not apply to the determination used leaded additives engine oil, does not apply to non-additive lubricants, For these oils can be used GB/T 508. Sulfated ash can be used to show that the new oil is known metal additives concentrations. When no phosphorus, barium, calcium, magnesium, potassium, sodium sulfate into, tin and zinc into them oxide, sulfur and no chlorine interference. But when phosphorus and metal additives exist, its metal phosphate in the form of part or all of the ash remains in sulfate. This standard relates to certain hazardous materials, operations and equipment. But no intention for this about all safety issues recommendations. Therefore, user before using this standard to establish appropriate safety and protective measures, and determine the applicability of management system.

Document data

International classification (ICS): 75.100.

Chinese classification (CCS): E60.

Estimated length of the Chinese original: 5,562 words.

Adopted international standard: ISO 3987-1994; MOD.

Supersedes the earlier edition GB/T 2433-1981.

Standards quoted by this document

GB/T 508; GB/T 4756; GB/T 6682