

JIS

JAPANESE INDUSTRIAL STANDARD

Gear oils

 JIS K 2219—1993

Translated and Published

by

Japanese Standards Association

In the event of any doubt arising,
the original Standard in Japanese is to be final authority.



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1. Scope This Japanese Industrial Standard specifies gear oils for industrial use and for automotive use.

Remarks 1. The standards cited in this Standard are listed as follows:

- JIS K 2001 Industrial liquid lubricants — ISO viscosity classification
- JIS K 2251 Crude petroleum and petroleum products — Sampling
- JIS K 2265 Testing methods for flash point of crude oil and petroleum products
- JIS K 2269 Testing methods for pour point and cloud point of crude oil and petroleum products
- JIS K 2283 Crude petroleum and petroleum products — Determination of kinematic viscosity and calculation of viscosity index from kinematic viscosity
- JIS K 2510 Testing method for rust-preventing characteristics of lubricating oil
- JIS K 2513 Petroleum products — Corrosiveness to copper — Copper strip test
- JIS K 2518 Petroleum products — Lubricating oils — Determination of foaming characteristics
- JIS K 2519 Testing methods for load carrying capacity of lubricating oil
- JIS K 2520 Petroleum products — Lubricating oils — Determination of demulsibility characteristics

2. The units and numerical values given in { } in this Standard are based on traditional units, and are standard values.

The traditional units and values are shown as informative reference on and after April 1, 1995.

2. Classification Gear oils shall be classified into for industrial use and for automotive use according to their services, then the oils for industrial use be divided into 2 classes and that for automotive use into 3 classes, and they are subdivided, based on viscosity grade as shown in Table 1.

Remarks: In case of for industrial use, the viscosity grade shall be classified according to JIS K 2001, and in case of for automotive use, it shall be classified according to gear oil viscosity classification specified in SAE.

Informative reference: SAE stands for Society of Automotive Engineers.