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**Oil discharge rubber hoses for
oil burning appliances**

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee, as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Heating Appliances Inspection Association, Inc. (JHIA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Oil discharge rubber hoses for oil burning appliances

Introduction For the purpose of the standardization of oil discharge rubber hoses used indoors to supply a fuel from an oil tank which is separated from an oil burning appliance, and the ensurance of safety of fuel supply, **JIS S 3022** *Oil discharge hose for oil burning appliances* was established in 1972. Then, in the revision in 1991, the Standard title was changed to *Oil discharge rubber hoses for oil burning appliances*, and the assembled oil discharge hose having a protective metal covering on the outer surface of oil discharge rubber hose for fuel supply to burning appliances with an oil tank attached and having couplings on both ends was specified.

1 Scope This Japanese Industrial Standard specifies the oil discharge rubber hoses and those having a protective metal covering on the outer surface used indoors for fuel supply to burning appliances using kerosene as the fuel (hereafter referred to as “oil discharge hoses”).

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS K 2201 *Gasoline for industrial purpose*

JIS K 6251 *Tensile testing methods for vulcanized rubber*

JIS K 6257 *Rubber, vulcanized or thermoplastic—Determination of heat ageing properties*

JIS K 6258 *Rubber, vulcanized or thermoplastic—Determination of the effect of liquids*

JIS K 6330-2 *Testing methods for rubber and plastics hoses—Part 2 : Hydrostatic testing*

JIS K 6330-7 *Testing methods for rubber and plastics hoses—Part 7 : Assessment of ozone resistance under static conditions*

JIS Z 2371 *Methods of salt spray testing*

3 Classification The oil discharge hoses shall be classified as shown in table 1 according to their construction.

Table 1 Classification

Classification	Construction
Fibre-reinforced oil discharge hose	Consisting of inner rubber layer, fibre-reinforcing layer and outer rubber layer
Fibre-reinforced oil discharge hose with protective metal covering	Fibre-reinforced oil discharge hose with protective metal covering on the outer surface
All-rubber oil discharge hose	Consisting of rubber layers alone without fibre-reinforcing layer
All-rubber oil discharge hose with protective metal covering	All-rubber oil discharge hose with protective metal covering on the outer surface

4 Performance

4.1 Working performance The working performance of oil discharge hoses shall meet the following requirements:

- They shall have much flexibility.
- There shall be no defects having detrimental effects on the fuel due to dissolution in the fuel, colouring, or the like.
- For hoses using clamps, easy and secure clamping shall be functional without the risk of causing leakage, dropping off, or other defects during the use of the hoses.
- For hoses having couplings attached, the couplings shall be securely attached without the risk of causing leakage, dropping off, or other defects during the use of the hoses.

4.2 Quality and performance The quality and performance of oil discharge hoses shall meet the requirements of table 2 when tested in accordance with clause 8.