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**Road vehicles and internal combustion engines—Filter vocabulary—
Part 2: Definitions of characteristics
of filters and their components**

ICS 01.040.43 ; 43.060.20 ; 43.060.30 ; 43.060.40

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal of establishing a Japanese Industrial Standard from Japan Auto Parts Industries Association (JAPIA)/Japanese Standards Association (JSA), with a draft of Industrial Standard based on the provision of Article 12 Clause 1 of the Industrial Standardization Law. This Standard has been made based on **ISO 11841-2 Road vehicles and internal combustion engines—Filter vocabulary—Part 2: Definitions of characteristics of filters and their components** for the purposes of making it easier to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; and to propose a draft of an International Standard which is based on Japanese Industrial Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

JIS D 0117 consists of the following 2 parts under the general title *Road vehicles and internal combustion engines—Filter vocabulary*—:

Part 1 : Definitions of filters and filter components

Part 2 : Definitions of characteristics of filters and their components

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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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Road vehicles and internal combustion engines—Filter vocabulary—

Part 2: Definitions of characteristics of filters and their components

Introduction This Japanese Industrial Standard has been prepared based on the first edition of **ISO 11841-2 Road vehicles and internal combustion engines—Filter vocabulary—Part 2: Definitions of characteristics of filters and their components** published in 2000 without modifying the technical contents.

The portion underlined with dots is the matter not stated in the original International Standard.

1 Scope This part of **JIS D 0117** defines terms for the characteristics of filters and filter components used in road vehicles and internal combustion engines for general use (e.g. marine engines, stationary engines).

Remarks : The International Standard corresponding to this Standard is as follows.

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21**.

ISO 11841-1:2000 *Road vehicles and internal combustion engines—Filter vocabulary—Part 2: Definitions of characteristics of filters and their components* (IDT)

Information : English equivalent indicates an English term specified in the International standard corresponding to this Standard.

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

JIS B 8356-2 *Hydraulic fluid power—Filters—Evaluation of filter performance—Part 2: Filter elements—Verification of fabrication integrity and determination of the first bubble point*

NOTE : **ISO 2942** : 1994 *Hydraulic fluid power—Filter elements—Verification of fabrication integrity and determination of the first bubble point* is identical with the said standard.

JIS B 8356-3 *Hydraulic fluid power—Filters—Evaluation of filter performance—Part 3: Filter elements—Verification of collapse / burst resistance*

NOTE : **ISO 2941** : 1974 *Hydraulic fluid power—Filter elements—Verification of collapse / burst resistance* is identical with the said standard.

JIS B 8356-6 *Hydraulic fluid power—Filters—Evaluation of filter performance—Part 6: Filter elements—Verification of flow fatigue characteristics*

NOTE : **ISO 3724** : 1976 *Hydraulics fluid power—Filter elements—Verification of flow fatigue characteristics* is identical with the said standard.

JIS B 8356-8 *Hydraulic fluid power filters—Multi-pass method for evaluating filtration performance of a filter element*

NOTE : **ISO 16889** : 1999 *Hydraulic fluid power filters—Multi-pass method for evaluating filtration performance of a filter element* is identical with the said standard.

JIS D 1612 *Test methods of air cleaners for automobiles*

NOTE : **ISO 5011** : 1988 *Inlet air cleaning equipment for internal combustion engines and compressors—Performance testing* is equivalent to the said standard.

3 Classification of the characteristics of filters and filter components Characteristics of filters and filter components are classified according to five criteria as shown in figure 1.

- a) Size
- b) Temperature
- c) Pressure
- d) Flow/fluid
- e) Filtration