ICS 23.100.50
CCS J 20

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 14043.1-2022

Replacing GB/T 14043-2005

Hydraulic fluid power - Code and identification of valve - Part 1: Mounting surfaces and cavities

Issued on: October 12, 2022 **Implemented on: October 12, 2022**

Issued by: State Administration for Market Regulation, China National Standardization Administration

Table of Contents

foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1.Structure and Drafting Rules for Standardization Documents"

drafting.

This document is the first part of GB/T 14043 "Identification codes for hydraulic transmission valves". GB/T 14043 has issued the following

part.

--- Part 1.Mounting surface and valve hole.

This document replaces GB/T 14043-2005 "Identification Codes for Mounting Surfaces of Hydraulic Transmission Valves and Cartridge Valve Holes", and GB/T 14043-

Compared with.2005, except for structural adjustment and editorial changes, the main technical changes are as follows.

a) Change the identification code rules (see Chapter 4, Chapter 2 of the.2005 edition);

b) The specification codes of 15, 16 and 17 have been added (see Table 1);

c) In the "Examples of the use of identification codes", an example of the corresponding standard in my country has been added (see Chapter 6).

This document is modified to adopt ISO 5783.2019 "Identification Codes for Mounting Surfaces of Hydraulic Transmission Valves and Cartridge Valve Holes".

The technical differences between this document and ISO 5783.2019 and their reasons are as follows.

--- Increase the year number marked in the identification code from 2 to 4 digits (see Chapter 4) to make the identification code clearer;

--- In the example of the use of the identification code, an example of the corresponding standard in my country (see Chapter 6) is added to facilitate the application of the standard;

---In the example of the use of the identification code, the standard code describing the mounting surface of the hydraulic valve and the valve hole of the cartridge valve is added (see Chapter 6), indicating that

The nature of the standard.

The following editorial changes have also been made to this document.

--- In order to coordinate with the current standard, change the name of the standard to "Identification Code of Hydraulic Transmission Valve Part 1.Mounting Surface and Valve Hole";

--- Added "Note" (see Chapter 1, 6.1~6.3);

--- Changed the file list (see references).

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

Introduction

In a hydraulic transmission system, power is transmitted and controlled through a pressurized fluid in a closed circuit. The hydraulic valve is the most typical

A type of component that controls the flow direction, pressure, or flow of a fluid in a closed circuit. Valve installation types include plate connection, threaded cartridge and

Cover plate plug-in.

GB/T 14043 aims to standardize the identification codes of hydraulic valves and is intended to be composed of two parts.

--- Part 1.Mounting surface and valve hole. The purpose is to establish the identification of the hydraulic valve mounting surface and the cartridge valve hole defined by the relevant standards

code name.

--- Part 2.Oil port, bottom plate, control device and electromagnet. The purpose is to establish the oil port, bottom plate, control device defined by the relevant standards

The identification code of the position and the electromagnet.

Identification code of hydraulic transmission valve

Part 1.Mounting surfaces and valve holes

1 Scope

This document specifies the identification codes for the mounting surface of hydraulic valves and the valve holes of cartridge valves defined in relevant standards.

Note. Relevant standards include GB/T 2514, GB/T 2877.2, GB/T 8100.2, GB/T 8100.3, GB/T 8101, GB/T 17487, GB/T 36703,

JB/T 5963, corresponding ISO standards. ISO 4401, ISO 7368, ISO 6263, ISO 5781, ISO 6264, ISO 10372, ISO 16873,

ISO 7789.

This document applies to hydraulic valve mounting surfaces and cartridge valve bores that comply with the relevant standards listed. The identification code is not required to be installed in the hydraulic valve

face and cartridge valve bore.

2 Normative references

This document has no normative references.

3 Terms and Definitions

This document does not have terms and definitions that need to be defined.

ISO and IEC maintain terminology databases for standardization at the following addresses.

4 Identification code

The identification codes of the hydraulic valve mounting surface and the cartridge valve hole use the following 5 groups of numbers and symbols specified in the given order, and use

A hyphen "-" separates them.

a) Describe the standard code and sequence number of the hydraulic valve mounting surface and cartridge valve hole.

b) Two-digit specification code.

* Specifications of hydraulic valve installation surface (see Chapter 5);

* or cover plate cartridge valve specifications (see Chapter 5);

* Or threaded cartridge valve hole thread diameter.

c) Two digits as a unique code.

Note. In previous versions, these two digits were based on the code of the corresponding standard in a). However, if figures in these standards are removed in a new edition, certain

Some numbers corresponding to the mounting faces and cartridge valve hole diagram numbers are changed, causing confusion.

d) an indicator symbol. For example, using "*", or some number based on the corresponding standard definition in a).

* The number "0" represents the basic type code;

* Numbers "1"~"9" represent other type codes.

e) Four digits, indicating the year number of the latest edition of the standard to which it complies.