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

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Lubrication systems - Terminology and graphical symbols

润滑系统 术语和图形符号

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard was proposed and managed by the National Metallurgical Equipment Standardization Technical Committee (SAC/TC409). This standard was drafted. Sichuan Chuanrun Hydraulic Lubrication Equipment Co., Ltd., Qidong Lubrication Equipment Co., Ltd., Anhui Ningguo Zhongtian Environmental Protection Equipment Equipment Co., Ltd., Taiyuan Tongze Heavy Industry Co., Ltd., China National Heavy Machinery Research Institute Co., Ltd. The main drafters of this standard. Zhu Qiang, Wang Xinyu, Liu Weilin, Liu Fulan, Wu Guobin, Gong Xiangrong, Wang Pengfei, Su Jing, Xia Juan. Lubrication system terms and graphic symbols

1 Scope

China's national standard for lubrication system terminology and graphical symbols. It specifies the basic terms, the system types and the symbols used to draw them. A lubrication system is designed as a schematic, in the same way a hydraulic or pneumatic circuit is, and the symbols are what make that schematic readable: the pump, the reservoir,

the filter, the pressure switch, the progressive divider, the injector, the metering valve and the monitoring devices each have a form that says what they do. The vocabulary matters as much, because the distinctions are real and easily confused. A single line system, a dual line system and a progressive system distribute lubricant by completely different principles, and they fail differently - a progressive divider blocks and stops the whole branch, giving a signal, while a single line injector that stops delivering does so silently. Naming them consistently is what lets a maintenance engineer read a machine they have not seen before.

This standard defines terms and graphical symbols for lubrication systems. This standard applies to scientific research, engineering and technical documents, publications, terminology and graphical symbols of lubrication systems.

2 Normative references

The following documents are essential for the application of this document. For dated references, only the dated version applies to this article. For undated references, the latest version (including all amendments) applies to this document.

GB/T 786.1-2009 Graphic symbols and circuit diagrams for fluid power systems and components. Part 1. For general use and data processing Graphic symbols

GB/T 6567.2-2008 Graphic symbols for technical drawing piping systems

GB/T 6567.3-2008 Graphical symbols for technical drawing pipeline systems

GB/T 6567.4-2008 Graphical symbols for technical drawing of piping systems Valves and control elements

3.1 Basic Terminology

3.1.1 Lubrication system A system for supplying lubricant (3.1.4) to friction pairs (3.1.10) of machinery and equipment.

3.1.2 Thin oil lubrication system Lubrication system (3.1.1) using lubricant (3.1.5) as lubricant (3.1.4).

3.1.3 Dry oil lubrication system greaseslubricationsystem Lubrication system (3.1.1) using grease (3.1.6) as lubricant (3.1.4).

3.1.4 Lubricant Lubricating medium used to reduce the friction resistance of friction pair (3.1.10) and slow its wear.

3.1.5 Lube oil Liquid lubricants such as mineral oil and synthetic oil (3.1.4).

3.1.6 Grease Greasy semi-solid plastic lubricant (3.1.4).