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Hydraulic fluid power — Fluids — Method for coding the level of contamination by solid particles

Transmissions hydrauliques — Fluides — Méthode de codification du niveau de pollution particulaire solide

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Foreword

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This document was prepared by Technical Committee ISO/TC 131, *Fluid power systems*, Subcommittee SC 6, *Contamination control*.

This third edition cancels and replaces the second edition (ISO 4406:1999), which has been technically revised.

The main changes compared to the previous edition are as follows:

— All year references for ISO 11171 have been removed to ensure that only the most recent version of ISO 11171 is used. This is needed to ensure consistency in the usage and definition of the µm(c) particle sizes used in this document.

— All year references for ISO 4407 and ISO 11500 have been removed to ensure that only the most recent version of these standards are used.

This corrected version of ISO 4406:2017 incorporates the following corrections.

Following the first (and only) sentence in 3.4.5, the following text has been added: "Graphical presentation of ISO Code results shall be as described in Annex A."

Following the first (and only) sentence in 3.5.4, the following text has been added: "Graphical presentation of ISO Code results shall be as described in Annex A."

Figure A.1 has been replaced by a new Figure A.1 which includes the missing exponent in Y.

Introduction

In hydraulic fluid power systems, power is transmitted, and controlled, through a liquid under pressure within an enclosed circuit. Solid particle contaminant is always present in the hydraulic fluid and the amount needs to be determined because the contaminant may cause serious problems.