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First edition
2012-01-15

Corrected version
2012-03-15

Hydraulic fluid power — System clean-up procedures and verification of cleanliness of assembled systems

Transmissions hydrauliques — Modes opératoires de nettoyage d'un système et vérification de la propreté des systèmes assemblés

Reference number
ISO 16431:2012(E)

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Published in Switzerland

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Foreword

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Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 16431 was prepared by Technical Committee ISO/TC 131, *Fluid power systems*, Subcommittee SC 6, *Contamination control*.

This first edition of ISO 16431 cancels and replaces ISO/TS 16431:2002, which has been technically revised.

In this corrected version of ISO 16431:2012, the French title on the cover page has been modified to align with the English title.

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Introduction

In hydraulic fluid power systems, power is transmitted and controlled through a liquid under pressure within an enclosed circuit.

The initial cleanliness level of a hydraulic system can affect its performance and useful life. Unless removed, contaminants present after manufacture and assembly of a system can circulate through the system and cause damage. To limit such damage, the fluid and internal surfaces of the hydraulic fluid power system must be cleaned to an acceptable level.

While this International Standard describes a clean-up procedure that uses filters after final assembly of the system, this practice is not a substitute for the use of good practices to achieve and maintain cleanliness prior to final assembly.

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