INTERNATIONAL STANDARD

ISO 12669

First edition 2017-10

Hydraulic fluid power — Method for determining the required cleanliness level (RCL) of a system

Transmissions hydrauliques — Méthode de détermination du niveau de propreté requis (NPR) d'un système





COPYRIGHT PROTECTED DOCUMENT

© ISO 2017, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office Ch. de Blandonnet 8 • CP 401 CH-1214 Vernier, Geneva, Switzerland Tel. +41 22 749 01 11 Fax +41 22 749 09 47 copyright@iso.org www.iso.org

Contents			Page	
Fore	word		iv	
Introduction		v		
1	Scope	е	1	
2		native references		
3	Terms and definitions		1	
4		ciple of the method		
5	Selection of the RCL		3	
	5.1	General	3	
	5.2	Procedure	3	
	5.3	Weightings for working pressure and duty cycle	4	
	5.4	Weightings for component contaminant sensitivity	4	
	5.5	Weightings for system life expectancy	5	
	5.6	Weightings for total cost of component replacement Weightings for cost of downtime	5	
	5.7	Weightings for cost of downtime	5	
	5.8	Weightings for risk	6	
6	Ident	cification statement (reference to this document)	6	
		formative) Options for selecting the RCL for a hydraulic system		
Anne	x B (inf	formative) Example of a pro forma worksheet	10	
Anne	x C (inf	formative) Worked example of the determination of the RCL for a hydraulic system	m12	
Anne	x D (inf	formative) Effect of extraneous contamination on cleanliness data	13	
Rihli	ogranh	v	15	