

ISO 21018-1:2008-04 (E)

Hydraulic fluid power - Monitoring the level of particulate contamination of the fluid - Part 1: General principles

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Health and safety	3
4.1	General	3
4.2	Electric power	3
4.3	Mechanical fluid power	4
4.4	Process liquids	4
5	Selection of monitoring technique	4
5.1	General	4
5.2	Selection	5
6	Procedures and precautions	5
6.1	General	5
6.2	Obtaining representative samples	5
6.3	Off-line sampling	5
6.4	On-line analysis	6
6.5	In-line analysis	6
6.6	Suction (sip) analysis from reservoirs or containers	6
6.7	Calibration procedures	7
6.8	Checking data validity	7
6.9	Training	7
6.10	Controlling the precision of the technique	8
7	Test report	8
Annex A (informative) Summary of various technique attributes		9
Annex B (informative) Description and relative merits of different contaminant monitoring techniques		15
Bibliography		24