

ISO 14085-3:2015-03 (E)

Aerospace series - Hydraulic filter elements - Test methods - Part 3: Filtration efficiency and retention capacity

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Symbols and abbreviated terms	4
5	Test procedure overview	6
6	Test equipment and supplies	6
7	Instrument accuracy and allowable test condition variation	10
8	Test equipment validation	10
9	Summary of information required prior to testing	14
10	Preliminary test preparation	14
	10.1 Test filter assembly	14
	10.2 Contaminant injection system	14
	10.3 Steady flow filter test system	15
	10.4 Cyclic flow filter test system	17
11	Filter element efficiency test	17
	11.1 Steady flow test	17
	11.2 Cyclic flow test	18
12	Calculation and data reporting	20
	12.1 Filtration ratio and retention capacity	20
	12.2 Calculation of stabilized particle counts for cyclic flow test	24
13	Identification statement (reference to this part of ISO 14085)	25
Annex A	(normative) Properties of test fluid to evaluate performance of hydraulic fluid systems filter elements	30
Annex B	(informative) Test system design guide	32
Bibliography		37