

ISO 12829:2016-08 (E)

Hydraulic spin-on filters with finite lives - Method for verifying the rated fatigue life and the rated static burst pressure of the pressure-containing envelope

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Samples	2
5	Cyclic endurance test to verify the rated fatigue life at a rated fatigue pressure	2
5.1	Test equipment	2
5.2	Test conditions	3
5.3	Test procedure	4
5.4	Failure criteria	5
5.5	Calculation of rated fatigue life at rated fatigue pressure	5
5.6	Verification	6
6	Burst test to verify the rated static burst pressure	6
6.1	Test equipment	6
6.2	Test conditions	6
6.3	Test procedure	6
6.4	Failure criteria	7
6.5	Calculation of rated static burst pressure	7
6.6	Verification	7
7	Presentation of data	7
8	Verification of rated fatigue life, rated fatigue pressure and rated static burst pressure by similarity	8
9	Similarity between filters under test and production components	8
10	Identification statement (reference to this document)	8
Annex A (informative)	Results of the round robin test program conducted to verify the procedure specified in this document	9
Bibliography		11