

Contents	Page
1 Introduction.....	1
2 Definitions.....	1
3 Preparation for inspection and testing.....	2
3.1 Aluminum alloy cylinder identification.....	2
3.2 Venting	2
3.3 Cleaning cylinders	2
4 Inspection equipment	3
4.1 Depth gauges, scales.....	3
4.2 Inspection light.....	3
4.3 Penetrant inspection.....	3
4.4 Other devices	3
5 Inspection criteria	3
5.1 Corrosion limits.....	3
5.2 Cuts, digs, gouges, and dents.....	4
5.3 Arc burn (arc strike).....	6
5.4 Bulges.....	6
5.5 Fire/heat exposure damage.....	7
5.6 Neck defects.....	7
5.7 Rebuilding.....	7
5.8 Threads and valving	7
6 Requalification methods.....	8
6.1 Hydrostatic testing requalification.....	8
6.2 Modified hydrostatic requalification	8
6.3 Visual inspection requalification	8
7 References	9
Figures	
Figure 1—Cylinder exhibiting cuts, digs, and gouges	4
Figure 2—Cylinder exhibiting dent in bottom sidewall	5
Figure 3—Cylinder exhibiting a dent on the knuckle radius	5
Figure 4—Cylinder exhibiting dents in the weld and cylinder sidewall.....	6
Figure 5—Bulged cylinder.....	6
Figure 6—Fire damaged cylinder exhibiting bulging and melting	7