

<b>Contents</b>	<b>Page</b>
1 Introduction.....	1
2 Scope .....	1
3 Hazards of transfilling .....	1
3.1 Personnel qualifications.....	2
3.2 Operating instructions.....	2
3.3 Description of gaseous and liquid oxygen .....	2
3.4 Some hazards of high pressure gaseous oxygen .....	2
4 Government regulations .....	2
4.1 General.....	2
4.2 U.S. regulations .....	3
4.3 Canadian regulations.....	4
4.4 State, provincial/territorial, and local ordinances .....	4
5 Transfilling system, equipment, and process .....	4
5.1 General.....	4
5.2 Transfilling system materials and oxygen compatibility .....	8
5.3 Cylinders.....	8
5.4 Cylinder valves, regulators, and pressure relief devices .....	9
5.5 Source of oxygen supply .....	11
5.6 Cylinders to be filled .....	11
5.7 Oxygen transfilling operation .....	13
6 Storage and maintenance of the equipment .....	13
7 References .....	14
8 Additional references.....	15
 <b>Tables</b>	
Table 1A—Oxygen temperature-pressure filling chart (U.S. customary units) .....	6
Table 1B—Oxygen temperature-pressure filling chart (metric units) .....	7
 <b>Figures</b>	
Figure 1—Example of a cylinder shoulder with markings .....	9
Figure 2—540 valve for cylinder with straight thread .....	10
Figure 3—540 valve for cylinder with taper thread.....	10
Figure 4—870 valve for cylinder with straight thread .....	11
Figure 5—870 valve for cylinder with taper thread.....	11
Figure 6—Example of CGA marking system for U.S. domestic shipment of oxygen.....	12