

<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 .....	10
5.5 Source of oxygen supply .....	12
5.6 Cylinders to be filled .....	12
5.7 Oxygen transfilling operation .....	13
6 Storage and maintenance of the equipment .....	14
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 (used in DOT-3AL and TC-3ALM cylinders) .....	10
Figure 3—540 valve for cylinder with taper thread.....	11
Figure 4—870 valve for cylinder with straight thread (used in DOT-3AL and TC-3ALM cylinders) .....	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.....	13