Australian Standard™

Work in compressed air and hyperbaric facilities

Part 1: Work in tunnels, shafts and caissons



This Australian Standard was prepared by Committee SF-046, Non-diving Work in Compressed Air and Hyperbaric Treatment Facilities. It was approved on behalf of the Council of Standards Australia on 2 January 2003 and published on 16 January 2003.

The following are represented on Committee SF-046:

Australian and New Zealand Hyperbaric Medicine Group

Australian and New Zealand College of Anaesthetists

Australian Industry Group

Australian Medical Association

Hyperbaric Engineering Industry Forum

Hyperbaric Technicians and Nurses Association

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PREFACE

This Standard was prepared by Standards Australia Committee SF-046, Non-diving Work in Compressed Air and Hyperbaric Treatment Facilities, to supersede AS CA12—1970, Work in compressed air (known as the SAA Compressed Air Code).

Technological advances and a greatly increased availability of data concerning the effects of working in compressed air have identified a need to expand and split this Standard into two parts with Part 1 (this part) essentially a revision of AS CA12—1970 covering work in tunnels, shafts and caissons, and Part 2 specifying requirements for work in hyperbaric oxygen facilities.

The revision includes the insertion of metric values with both figures for bar gauge (as used in the industry) and the SI unit of kilopascals shown to reduce the risk of errors in conversions between the two. The Standard has been modified extensively during this revision and attention is drawn to the following changes:

- (a) The Standard has been modified to address tunnel boring machines.
- (b) Staged decompression using oxygen breathing has been specified.
- (c) A requirement has been added for a hazard identification, risk assessment and control process to be conducted prior to work in compressed air being undertaken.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendices. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

CONTENTS

		Page
SECTIO	ON 1 SCOPE AND GENERAL	
1.1	SCOPE	5
1.2	OBJECTIVE	
1.3	APPLICATION	
1.4	REFERENCED DOCUMENTS	
1.5	DEFINITIONS	
	ON 2 PERSONNEL AND DUTIES	0
2.1	DUTY OF CONSTRUCTOR	
2.2	LOCK OPERATOR	
2.3	TREATMENT CHAMBER OPERATOR	
2.4	FIRST-AID PERSONNEL	
2.5	MEDICAL OFFICER	
2.6	COMPRESSOR MONITORING	10
SECTIO	ON 3 HAZARD IDENTIFICATION, RISK ASSESSMENT AND CONTRO	L
3.1	CONSULTATION	11
3.2	HAZARD IDENTIFICATION, RISK ASSESSMENT AND CONTROL PR	OCESS 11
3.3	HAZARD IDENTIFICATION	11
3.4	RISK ASSESSMENT	12
3.5	RISK CONTROL	12
SECTIO	ON 4 PLANNING AND PROCEDURES	
4.1	PLANNING	1.4
4.2	PROCEDURES	
4.3	TRAINING	
4.4	COMMUNICATIONS	
4.4	IDENTIFICATION BADGE	
4.6	NOTICES AND INSTRUCTIONS	
4.0	PROHIBITION OF SMOKING, ALCOHOL AND DRUGS	
4.7	MAXIMUM PERIODS IN COMPRESSED AIR	
4. 6 4.9	COMPRESSION	
4.10	DECOMPRESSION	
	VENTILATION OF THE WORKING CHAMBER	
	CHANGE IN WORKING PRESSURE	
	DECANTING	
	SAFETY RESCUE SYSTEM	
4.15	CONTROL OF OXYGEN	20
SECTIO	ON 5 MEDICAL REQUIREMENTS	
5.1	MEDICAL CERTIFICATION	
5.2	MEDICAL PRACTITIONER	21
5.3	SUPERVISION OF HEALTH	21



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