# **RioTintoAlcan**

# **Theory Assessment**

LS COURSE	RTAY Compressed Gas (Use & Maintain) Theory Assessment	Course Code Qual CODE:	D31134702 Q31130126
	EMPLOYEE TO COMPLET	ſE	
Full Name:			
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Position:		<b>7 -</b>	
Select Result:	YES 100% □	] Further Training	Required
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Trainer/Assessor Signature:	ALL PAPER WORK TO THE LEARNING	N.	
(FORWARD	ALL PAPERWORK TO THE LEARNIN	GAND DEVELO	PMENT TEAM)

LEARNING & DEVELOPMENT TO COMPLETE (LMS Administrator to enter in the LMS)				
Name :		Date entered in LMS:	1	1

LMS Administrator Signature:

# **Theory Assessment**

# **QUESTION 1**

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**RioTintoAlcan** 

### Which of the following are correct for anyone to operate gas equipment?

- Must have completed compressed gas training
- Completed compressed gas maintenance theory and practical training
- Deemed competent
  - Completed pre-start on the equipment to ensure equipment is in good working order

# **QUESTION 2**

	Complete the following sentences: All gas cutting equipment shall have <u>FLASE</u> back <u>ARLESTORS</u> to regulators. The torch may have <u>RATECK</u> valves or <u>FLASE</u> back <u>ARRESTORS</u> fitted.					
Q	UEST					
What should you do if any faults are round during the pre-start inspection?						
	×	The problem shall be repaired.				
		If unable to repair the problem the equipment shall be tagged out and arrange to have repairs carried out.				
		Repair and report after the cutting or welding jcb has been completed.				
		Place oxy set back and find another set to use.				
QUESTION 4 What is the maximum length of hose that can be used before flashback arrestors must be fitted to the blowpipe?						
		$k)i \subseteq$				

### **QUESTION 5**

Selection of the correct size cutting nozzle is determined by?

PLATE THICKNES

### **QUESTION 6**

Spigot Nut 'O' Rings on the Oxygen and Acetylene Regulators should be inspected for damage in the pre-start inspection and replaced as required.

X True

False

# **Theory Assessment**

CORRECTU

SASED

### **QUESTION 7**

**Kio linto Alcar** 

All vehicles carrying gas equipment must have

- Yellow paint
- Ø Fire extinguisher
- $\Box$ Cylinder restrains
- Π Checker plate floor

### **QUESTION 8**

During the pre-start inspection the operator must ensure that the Blowpipe/Cutting attachment CONTROL NAINES are closed and the Regulator Adjustment Screw

ADJUSTED

AND

**QUESTION 9** 

SOME

has been

Why is Snoop leak testing iquid used to test gas equipment?

### **QUESTION 10**

When carrying out a pressure test how long do you check for pressure drop for after the main cylinder valves have been turned off? KN, ON

### **QUESTION 11**

2

List 5 places that require testing with Snoop.

1. KEGULATORS

Mr

- 2. CONNE
- 3. 🔾 AR TORCE
- 4. ACHMENT
- 5. COM VALI TROL

### **QUESTION 12**

### Before lighting the torch to cut any material what basic checks must be completed.

- $\mathbf{X}$ Ensure fire extinguishing equipment is available X Area is clear of flammable material that may be at risk of burning
- Cylinder and hoses are position clear of sparks and hot material  $\square$
- A Assessment of what PPE required to completed the job safely

# **Theory Assessment**

### **QUESTION 13**

### What is the maximum safe working pressure for acetylene?

- 55kpa
- $\square$ 100kpa
- $\mathbf{X}$ 150kpa
- 200kpa

### **QUESTION 14**

What shall be used to light the torch?

-LIM Cirne **QUESTION 15** 

Once all checks have been completed and gas pressures have been set explain how to light the oxy/acetylene torch.

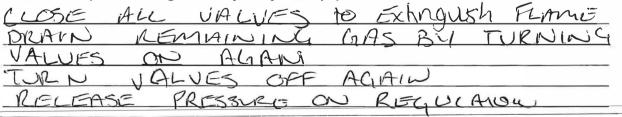
ENSURE HAVE CORRECT MC IGI JIT JAMENT ONLY **QUESTION 16** Select the best flame for cutting and welding  $\mathbf{A}$ Neutral  $\square$ Carburizing Oxidising

### **QUESTION 17**

Large Flame

 $\Box$ 

List the steps in shutting down oxy/acetylene equipment.



### **QUESTION 18**

### Where shall gas equipment be stored?

STORACE ARFA w