



Uhde Shedden Australia Pty Ltd

RECEIVED
By Rosie Muscat at 6:33 am, Mar 03, 2015

PROJECT: Santos CO2 Removal & Utilities Expansion (VENDOR'S DOCUMENT COVERSHEET)

DOCUMENT TITLE	Ejector Data Sheet
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TOTAL No. OF PAGES	2
VENDOR'S ORDER No.	14-88066 JC

(FOR INTERNAL USE ONLY)

VENDOR'S OWN DOCUMENT No.	REV	Seq	Discipline	Int	Sign	Date Reviewed
88066_DS	0		Project Manager			
88066_DS	1		Project Engineer			
			Process Eng			
			Mech Eng	EHL		
			Elect Eng			
			Inst Eng			
			Civil Struct Eng			
			Piping Eng			
			Mech Design			
			Elect Design			
			Inst Design			
			Civil Struct Design			
			Piping Design			
			QA/QC			
			Santos			
			Return To	RZM		16/03/15

SUBMITTED FOR : INFO REVIEW

PROJECT 25894-01

REVIEW DOES NOT CONSTITUTE ACCEPTANCE OF DESIGN DETAILS, CALCULATIONS, TEST METHODS OR MATERIALS DEVELOPED OR SELECTED BY VENDOR, NOR DOES IT RELIEVE VENDOR FROM FULL COMPLIANCE WITH CONTRACTUAL OR OTHER OBLIGATIONS.

VENDOR NAME: **Graham Corporation**

- 1. REVIEWED AND ACCEPTED. WORK MAY PROCEED
- 2. PLEASE RESUBMIT DOCUMENT AFTER RESOLVING OUR COMMENTS. WORK MAY PROCEED ON BASIS OF REVIEW COMMENTS
- 3. NOT ACCEPTABLE . WORK MAY NOT PROCEED SEE COMMUNICATION REF/DATE:
- 4. NOT REVIEWED, ACCEPTED AS INFORMATION ONLY. WORK MAY PROCEED
- 5. VOID

PACKAGE DESCRIPTION:

3rd Stage Ejector

NAME: _____ DATE: _____

TAG NOS:
8510-SP56-8153

MODEL TYPE/ NOS:
560TC

SIGNATURE: _____

PURCHASE ORDER NO.
P-25894-01-B-007

VDRL CAT.
C06

SEQUENCE NO.
001
~~005~~

ISSUE
02



EJECTOR SPECIFICATION SHEET

Customer:	Uhde Shedden	Job No:	14-88066 JC
Item:	8510-SP56-8153	Date:	Sep. 16, 2014
Thermocompressor		Engineer:	JLH
Graham Model: 560TC			
Suction Load:			
Flow Rate:	12587	kg/hr	
Pressure:	143.27 ⁽¹⁾	kPa abs	
Temperature:	113.9	C	
Specific Heat:		kcal/kg C	
Molecular Weight:		-	
Composition:	Steam		
Motive:			
Flow Rate:	11566	kg/hr	
Pressure:	445.88 ⁽¹⁾	kPa abs	
Temperature:	148	C	
Specific Heat:		kcal/kg C	
Molecular Weight:		-	
Composition:	Steam		
Discharge:			
Flow Rate:	24153	kg/hr	
Pressure:	178.85 ⁽¹⁾	kPa abs	
Temperature:	126.06	C	
Composition:	Steam		
Construction:			
Construction Code:	ASME B31.3		
Ejector Diffuser / Air Chamber:	316L SS		
Motive Fluid Nozzle:	316L SS		
Bolting:	Stainless Steel		
Gaskets:	spiral wound (Stainless Steel)		
Mechanical Design:			
		Design Pressure kPa (g)	Hydrostatic Test Pressure kPa (g)
	Body	FV & 700	1413
	Motive Chest	700	1779
			Design Temperature C
			180
			180
Notes:			
1) Suction, discharge, and motive pressures were all given in gage pressure (kPaG). The site gage pressure was advised to be 100.871 kPa, which was used in converting these gage pressures to absolute pressures.			
2) Sound pressure level (uninsulated) is approximately 90 dBA			