



ASPC Project



END CUSTOMER	: Arya Sasol Polymer Company
CONTRACTOR	: DYPNF Co., Ltd.
VENDOR NAME	: Airpack Netherlands BV
EQUIPMENT DESCRIPTION	: Screw Compressor & Roots Blower
PURCHASE ORDER NUMBER	: PO-PC2312-08

Customer Document : 3944-VD-0171-DYP-RE-400-DIA-0082
Number

Airpack Document Number : 23383-27

Document Title : Cause & Effect diagram

Review Code and Status		Contractor Initials/Signature	Date signed
<input type="checkbox"/>	Code 1 REJECTED - Vendor to revise and Resubmit. Work cannot proceed	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	Code 2 Comments As Noted - Work May proceed, subject to compliance with and incorporation of comments	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	Code 3 No Comments - Work may proceed.	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	Code 4 Information only - Review not required.	<input type="text"/>	<input type="text"/>

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Rev. No.	Description	Date	Prepared by	Checked by	Approved by



DOCUMENT TITLE: 23383-27
Cause & Effect chart Nitrogen Screw Compressor

CAUSE

Instrument Tag	Signal	Type	Description
T.B.A.	ESD	BUTTON	EMERGENCY SHUT DOWN (LPS)
T.B.A.	ESD	ESD	EMERGENCY SHUT DOWN (DCS)
T.B.A.	STOP	BUTTON	STOP BUTTON (LPS)
T.B.A.	STOP	BUTTON	STOP BUTTON (DCS)
T.B.A.	START	BUTTON	START BUTTON (LPS)
T.B.A.	START	BUTTON	START BUTTON (DCS)
44PI-4001003			
44PI-4002003	TRIP	LL	COMPRESSOR INLET PRESSURE
44TI-4001056			
44TI-4002056	TRIP	HH	COMPRESSOR OIL TEMPERATURE
44PI-4001054			
44PI-4002054	TRIP	LL	COMPRESSOR OIL PRESSURE
44PI-4001011			
44PI-4002011	TRIP	HH	COMPRESSOR DISCHARGE PRESSURE
44TI-4001057			
44TI-4001057	TRIP	HH	COMPRESSOR DISCHARGE TEMPERATURE

NOTE 1: This nitrogen screw compressor cause & effect is applicable for 44C-40001A/B

EFFECT	Tag. Number	Component				
	N/A	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.
	displ. readout on DCS	Compressor	Compressor	Compressor	Common trip	Common trip (to DCS)
	READOUT	START	STOP	TRIP	TRIP SIGNAL	FAULT LAMP
	x				x	x
	x				x	x
	x		x			
	x		x			
	x	x				
	x	x				
	x				x	x
	x				x	x
	x				x	x
	x				x	x

