



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="checkbox"/>	Code 2 Comments As Noted - Work May proceed, subject to compliance with and incorporation of comments		
<input type="checkbox"/>	Code 3 No Comments - Work may proceed.		
<input type="checkbox"/>	Code 4 Information only - Review not required.		

00	Issued for Approval	13-05-2025	SC	SC	JJ
Rev. No.	Description	Date	Prepared by	Checked by	Approved by



DOCUMENT TITLE: 23383-27
Cause & Effect chart Air 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)
NOTE 1	TRIP	LL	COMPRESSOR INLET PRESSURE
NOTE 1	TRIP	HH	COMPRESSOR OIL TEMPERATURE
NOTE 1	TRIP	LL	COMPRESSOR OIL PRESSURE
NOTE 1	TRIP	HH	COMPRESSOR DISCHARGE PRESSURE
NOTE 1	TRIP	HH	COMPRESSOR DISCHARGE TEMPERATURE

NOTE 1: This air screw compressor cause & effect is applicable for 44C-80001A/B, 44C-80004A/B and 44C-80005A/B

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

