ABSA
the pressure equipment safety authority

9410 - 20 Ave N.W.
Edmonton, Alberta, Canada T6N 0A4
Tel: (780) 437-9100 / Fax: (780) 437-7787

November 01, 2024

Attention: Liviu Craciun
ACADEMY PETROLEUM INDUSTRIES
4066-78 AVENUE
EDMONTON, AB T6B 3M8

The design submission, Tracking Number 2024-06173, Web Portal Number 2024-S4506, originally received on October 15, 2024 was surveyed and accepted for registration as follows:

CRN : 0B21121.2 **Accepted on:** November 01, 2024

Reg Type: ADDITION TO ACC. FITTING **Expiry Date:** November 01, 2034

Drawing No. : Table 1C - Scope of Fitting Designs

Fitting type: Transition Weldneck Flange

Description	MAWP	Design Temperature
See Table 1C		

The registration is conditional on your compliance with the following notes:

As indicated on AB-41 Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction is ASME B31.3.

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration or AB-351 Declaration of Conformity as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.
- This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration or AB-351 Declaration of Conformity form.
- This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency, and maintains a valid Certification of Authorization Permit if required by the jurisdiction where manufacturing takes place, until that date.
- Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

If you have any question don't hesitate to contact me by phone at (587) 686-9381 or fax (780) 437-7787 or e-mail Newton@absa.ca.

Sincerely,

NEWTON, STEPHAN, E.I.T.
DOP Cert. No. D00011044

Alberta Government

the pressure equipment safety authority

AB-351 2024-03

(Show facsimile of logo or trademark, as it will appear on the fitting as evidence of certification)

ACD

DECLARATION OF CONFORMITY

REGISTRATION OF FITTINGS

2024-06173
ABSA
SAFETY CODES ACT - PROVINCE OF ALBERTA
ACCEPTED: 0B21121.2
See acceptance letter for conditions of registration.
Date: 2024-11-01 By: N. Stephan
STEPHAN NEWTON, E.I.T.
DOP: D00011044
This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

Declaration No.: (document nr. as issued by the manufacturer)	**DOC-12933**	**Revision:**	**0**

Manufacturer	(Name and Address) **Academy Petroleum Industries, 4066 - 78 Ave. Edmonton, AB**

Table 1 Scope of Fitting Designs

Item No.	Type / Model	Product Description	Material of Construction	MDMT	Rated Pressure		References: Catalog (pages) or Drawing(s)
					At Ambient Temperature	At Maximum Temperature	
Please see enclosed Table 1C Scope of Fitting Design (Supplemental Sheet)				°C	kPag	kPag at °C	**Drawing numbers referenced in Table 1C**
				°C	kPag	kPag at °C	
				°C	kPag	kPag at °C	
				°C	kPag	kPag at °C	
				°C	kPag	kPag at °C	

Table 2 Codes, Standards, Guidelines, and Other Applicable Documents

Item No.	Title of Code(s), Standard(s), Guideline(s), or Other Applicable Document(s)	Edition / Revision	Item No.	Title of Code(s), Standard(s), Guideline(s), or Other Applicable Document(s)	Edition / Revision
1	ASME B31.3	2022	4	WPS-2019 Welding Procedure Specification	July 16, 1996
2	ASME BPVC Sec. VIII, Div.1	2023	5		
3	APP-301 Material Specification	2024 / Rev.3	6		

Table 3 Quality Program Verification and Manufacturing Sites

Item No.	Location(s) Plant Name and Address / Site(s)	Quality Program Certificate Number	Expiry Date	Verifying Organization
1	Academy Petroleum Ind., 4066-78 Ave., Edmonton	AQP-22128	January 18, 2027	ABSA
2	Academy Petroleum Ind., 4066-78 Ave., Edmonton	ISO 9001:2015 / Reg. No.: 0701	May 4, 2027	API
3	Academy Petroleum Ind., 4066-78 Ave., Edmonton	API Q1 / Reg. No.: Q1-0440	May 4, 2027	API

A copy of the Quality Certificate from each manufacturing site must be included.

Remarks	(other relevant information) In support of this application the following information is attached: - Design Summary for Transition Weldneck Flanges - May 2024 (2 pages) - Calculations for every Fitting listed in Table 1C (Supplemental Sheet)

As a senior official of the manufacturer, having responsibility for the conformity and regulatory compliance of the fitting, I hereby declare that the statements made in this declaration of conformity are true and accurate.

I also declare that a conformity assessment has been completed to the extent necessary for validation and verification, and declare that the fitting design and construction are in conformity with the requirements of CSA B51, the applicable codes, and standards and other applicable documents as listed in table 2 of this document.

I further declare that there is a process in place for retention, custody, maintenance, availability, and control of this declaration of conformity, for the duration of a valid Canadian Registration Number and no less than 10 years from the issuance of this declaration of conformity, for the fittings covered by this declaration.

Signed for and on behalf of Academy Petroleum Industries (Manufacturer) in the Edmonton (City) of Alberta, Canada (State / Province, Country)

Liviu Craciun (Name, please print), Professional Engineer, Responsible Member (Function or Title) (Signature of Declarer) August 27, 2024 (Date)

Supplemental Sheet

Table 1C - Scope of Fitting Designs

Fitting description	Drawing #	Material Specifications	End connections & size range	MAWP or Press. rating	Temp. range min / max	Code / Standard of Construction
Transition Weldneck Flange	B-12933 Rev. 1	4130-75K, APP-301 A/SA350-LF2, Cl. 1	2-9/16" – 10,000 BX-153 2-1/2" SCH 160	4,600 psi	-50 / 350 °F	ASME B31.3-2022
Transition Weldneck Flange	B-12969 Rev. 1	4130-75K, APP-301 A/SA350-LF2, Cl. 1	1-13/16" – 15,000 BX-151 2" XH	3,200 psi	-50 / 350 °F	ASME B31.3-2022
Transition Weldneck Flange	B-13114 Rev. 1	4130-75K, APP-301 A/SA350-LF2, Cl. 1	2-1/16" – 10,000 BX-152 3" SCH 160	4,500 psi	-50 / 350 °F	ASME B31.3-2022
Transition Weldneck Flange	B-13121 Rev. 1	4130-75K, APP-301 A/SA350-LF2, Cl. 1	2-1/16" – 10,000 BX-152 2-1/2" XXH	6,450 psi	-50 / 350 °F	ASME B31.3-2022
Transition Weldneck Flange	B-13130 Rev. 1	4130-75K, APP-301 A/SA350-LF2, Cl. 1	1-13/16" – 10,000 BX-151 2" SCH 160	4,900 psi	-50 / 350 °F	ASME B31.3-2022
Transition Weldneck Flange	B-13179 Rev. 1	4130-75K, APP-301 A/SA350-LF2, Cl. 1	3-1/16" – 10,000 BX-154 4" XXH	6,000 psi	-50 / 350 °F	ASME B31.3-2022
Transition Weldneck Flange	B-13225 Rev. 1	4130-75K, APP-301 A/SA350-LF2, Cl. 1	2-9/16" – 10,000 BX-153 2-1/2" XXH	6,300 psi	-50 / 350 °F	ASME B31.3-2022
Transition Weldneck Flange	B-13362 Rev. 1	4130-75K, APP-301 A/SA350-LF2, Cl. 1	2-9/16" – 10,000 BX-153 2" SCH 160	5,100 psi	-50 / 350 °F	ASME B31.3-2022
Transition Weldneck Flange	B-13594 Rev. 1	4130-75K, APP-301 A/SA350-LF2, Cl. 1	3-1/16" – 15,000 BX-154 3" XXH	6,900 psi	-50 / 350 °F	ASME B31.3-2022
Transition Weldneck Flange	B-13720 Rev. 1	4130-75K, APP-301 A/SA350-LF2, Cl. 1	4-1/16" – 10,000 BX-155 3" XXH	5,100 psi	-50 / 350 °F	ASME B31.3-2022
Transition Weldneck Flange	B-13798 Rev. 2	4130-75K, APP-301 A/SA350-LF2, Cl. 1	4-1/16" – 10,000 BX-155 4" SCH 160	4,400 psi	-50 / 350 °F	ASME B31.3-2022
Transition Weldneck Flange	B-13808 Rev. 1	4130-75K, APP-301 A/SA350-LF2, Cl. 1	2-1/16" – 15,000 BX-152 2" XH	3,000 psi	-50 / 350 °F	ASME B31.3-2022
Transition Weldneck Flange	B-13812 Rev. 1	4130-75K, APP-301 A/SA350-LF2, Cl. 1	2-1/16" – 15,000 BX-152 2" SCH 40	1,800 psi	-50 / 350 °F	ASME B31.3-2022
Transition Weldneck Flange	B-13950 Rev. 1	4130-75K, APP-301 A/SA350-LF2, Cl. 1	2-9/16" – 10,000 BX-153 2" SCH 160	5,100 psi	-50 / 350 °F	ASME B31.3-2022

Fitting description	Drawing #	Material Specifications	End connections & size range	MAWP or Press. rating	Temp. range min / max	Code / Standard of Construction
Transition Weldneck Flange	B-13962	4130-75K, APP-301 A/SA350-LF2, Cl. 1	2-9/16" – 10,000 BX-153 2" XH	3,200 psi	-50 / 350 °F	ASME B31.3-2022
Transition Weldneck Flange	B-13975	4130-75K, APP-301 A/SA350-LF2, Cl. 1	1-13/16" – 10,000 BX-151 2" XH	3,200 psi	-50 / 350 °F	ASME B31.3-2022
Transition Weldneck Flange	B-13976	4130-75K, APP-301 A/SA350-LF2, Cl. 1	2-1/16" – 10,000 BX-152 2" SCH 40	1,800 psi	-50 / 350 °F	ASME B31.3-2022
Transition Weldneck Flange	B-13977	4130-75K, APP-301 A/SA350-LF2, Cl. 1	2-9/16" – 15,000 BX-153 2-1/2" XXH	7,800 psi	-50 / 350 °F	ASME B31.3-2022
Transition Weldneck Flange	B-13978	4130-75K, APP-301 A/SA350-LF2, Cl. 1	3-1/16" – 10,000 BX-154 3" SCH 160	4,500 psi	-50 / 350 °F	ASME B31.3-2022
Transition Weldneck Flange	B-13979	4130-75K, APP-301 A/SA350-LF2, Cl. 1	3-1/16" – 15,000 BX-154 3" SCH 160	4,500 psi	-50 / 350 °F	ASME B31.3-2022
Transition Weldneck Flange	B-13980	4130-75K, APP-301 A/SA350-LF2, Cl. 1	4-1/16" – 10,000 BX-155 3" SCH 160	4,500 psi	-50 / 350 °F	ASME B31.3-2022