

V-3703A OILY WATER SEPARATOR

Design Code: PD5500 Cat 1
Design Pressure: 5 Barg / FV
Operating Pressure: 3 Barg
Design Temperature: -7.6/50°C
Operating Temperature: -3/23.5
Material: Super duplex
ASTM A240 UNS 32750/32760
DH-37579-E1A
Trim:

LEGEND			
Symbol	Description	Symbol	Description
	Ball Valve		Check Valve
	Ball Valve (Closed)		Actuated Valve
	Relief Valve		SB&B

TERMINATION POINT SCHEDULE			
No.	Size	Rating	Description
TP1	3"	150#	Fill from Hazardous Open Drains
TP2	2"	150#	Outlet to Recovered Oil Tank
TP3	3"	150#	Clean Water to Open Drains Caisson
TP4	2"	150#	Vessel Drain
TP5	3"	150#	PSV Discharge
TP6	2"	150#	Instrument Air
TP7			deleted
TP8			deleted
TP9	3"	150#	Off Spec. Water to Hazardous Open Drains Tank

LINE NUMBERS	
X-3703A	X-3703B
3-DH- 37570-E1A-FP	3-DH- 37580-E1A-FP
2-DH- 37571-E1A-FP	2-DH- 37581-E1A-FP
3-DH- 37572-E1A	3-DH- 37582-E1A-FP
2-DH- 37573-E1A	2-DH- 37583-E1A
3-DH- 37574-E1A	3-DH- 37584-E1A
3-DH- 37575-E1A	3-DH- 37585-E1A-FP
2-DH- 37578-E1A-FP	2-DH- 37588-E1A-FP

GENERAL NOTES

- 2 OFF SKIDS REQUIRED, BOTH THE SAME DESIGN.
- EQUIPMENT TAG NOS. SHOWN ARE FOR X-3703A SUFFIX 'B' TO BE USED FOR X-3703B.
- VALVE AND INSTRUMENT TAG No's SHOWN ARE FOR X-3703A
VALVES MV-*****A (X-3703A)
VALVES MV-*****B (X-3703B)
- INSTRUMENT TUBING TO BE IN ACCORDANCE WITH 168397-100-ME-SP-0001 SECTION 3.11.9 & 6.9
- LAST VALVE NUMBER :- MV37618A
- COMMON ALARM TO SET VALVES XV-37044A & XV-37045A TO RECYCLE VIA ICSS (PCS)
- DELETED.
- RO-37041A SIZED FOR 2 BARG BACK PRESSURE IN V-3703A UNDER FLOWING CONDITIONS.
- HAZARDOUS OPEN DRAINS TREATMENT PACKAGE X-3703A & B REPLACED IN SUPER DUPLEX DUE TO CORROSION ISSUES.
- AT-37040A IS AN INLINE OIL IN WATER ANALYSER. PROBE IS TO BE INSERTED 1/3 WAY INTO PIPEWORK.
- OUT OF SPEC COATING APPLIED TO SPOOL DH-37578-001-2 AND DH-37581-001-1 (REFER TO GMOC0507-4600007939-AM-NX-ORY-0005 FOR FURTHER DETAILS)

Nexen Petroleum (U.K.) Limited Golden Eagle Area Development	
VENDOR : MAHLE Industrial Filtration (UK) Ltd	
EQUIPMENT TITLE : HAZARDOUS OPEN DRAINS TREATMENT PACKAGE	
EQUIPMENT TAG NO(S) : X-3703	
GEAD Vendor Document Number	
Purchase Order Number	Doc Type Seq. No. Rev. DATE
168397-200-PO-3374 - MC2 - 001	Z2 06.01.23
INCLUDES DOCUMENT CODES :	
TOTAL SHEETS :	
F Final (accepted) - manufacturing may proceed.	
A Qualified Release - revise and re-submit. Manufacturing may proceed subject to incorporation of comments.	
R Rejected - revise and re-submit. Manufacturing may not proceed.	
I Accepted for information only.	
Review of Vendor documents does not relieve Vendor of the responsibility for correctness under the Purchase Order. Permission to proceed does not constitute acceptance of design, detail and calculations, test methods or materials developed or selected by the Vendor and does not relieve the Vendor from full compliance with the Purchase Order or any other obligations, nor detract from any of the Purchaser's rights.	
Engineer :	
Date :	

Z2	AS-BUILT FOR GMOC0507	TPK	TF	TF	6.1.23
Z1	AS-BUILT FOR GMOC0507	TPK	TF	TF	23.9.22
9	NOTE 8 Added, MV-37601A set pressure deleted				HJ 9.2.15
8	Change not recorded				9.2.15
7	Valve numbers re-instated				JBH 28.9.12
6	Modified to client returns dated 30/07/12				RTH 16.8.12
5	Modified to client returns dated 08/06/12				RTH 26.6.12
4	Modified to client returns dated 01/05/12				RTH 14.5.12
3	Modified to client returns dated 08/03/12 & GA returns 05/04/12				JBH 12.4.12
2	Modified to client returns dated 27/01/12				RTH 17.2.12
REV.	DESCRIPTION	DRN	CHK	APP	CLT DATE

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Package Arrangement	11A944/1/10028
REFERENCE DRGS.	MAHLE DRG. No.

TITLE:- P & I DIAGRAM FOR HAZARDOUS OPEN DRAINS TREATMENT PACKAGE SKIDS
Tag Number :-

CLIENT:- Nexen
PROJECT:- Golden Eagle
P.O. NO:- 168397-200-PO-3374

IF IN DOUBT ASK
DO NOT SCALE

DRAWN JBH
DATE Nov. 2011
CHECKED NJB
APPROVED ML

BRIEF DESC:- P&ID Nexen Golden Eagle
ISSUE DATE SIG.
DRG. FOR APPROVAL/PRELIM. ISSUE 2.12.11 JBH
DRG. ISSUED FOR FABRICATION 16.1.12 JBH
'AS BUILT' ISSUE
LAST REVISION ISSUED 7 28.9.12 RTH

MAHLE Industrial Filtration (UK) Limited
industrialfiltration@b.mahle.com
www.mahle.com
T+44 (0)1782 57 56 11
F+44 (0)1782 57 70 01
Navigation Road, Burslem, Stoke-on-Trent ST6 3RU, Great Britain
DRAWING NUMBER 11A944/1/10027
REV 1/1/10027
SHEET 1 OF 1