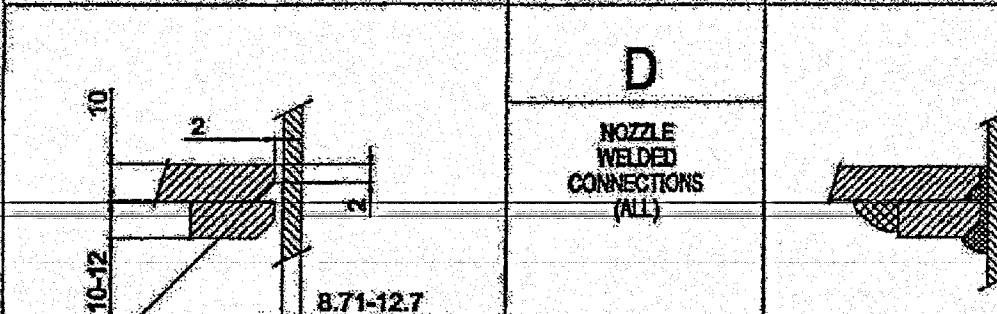
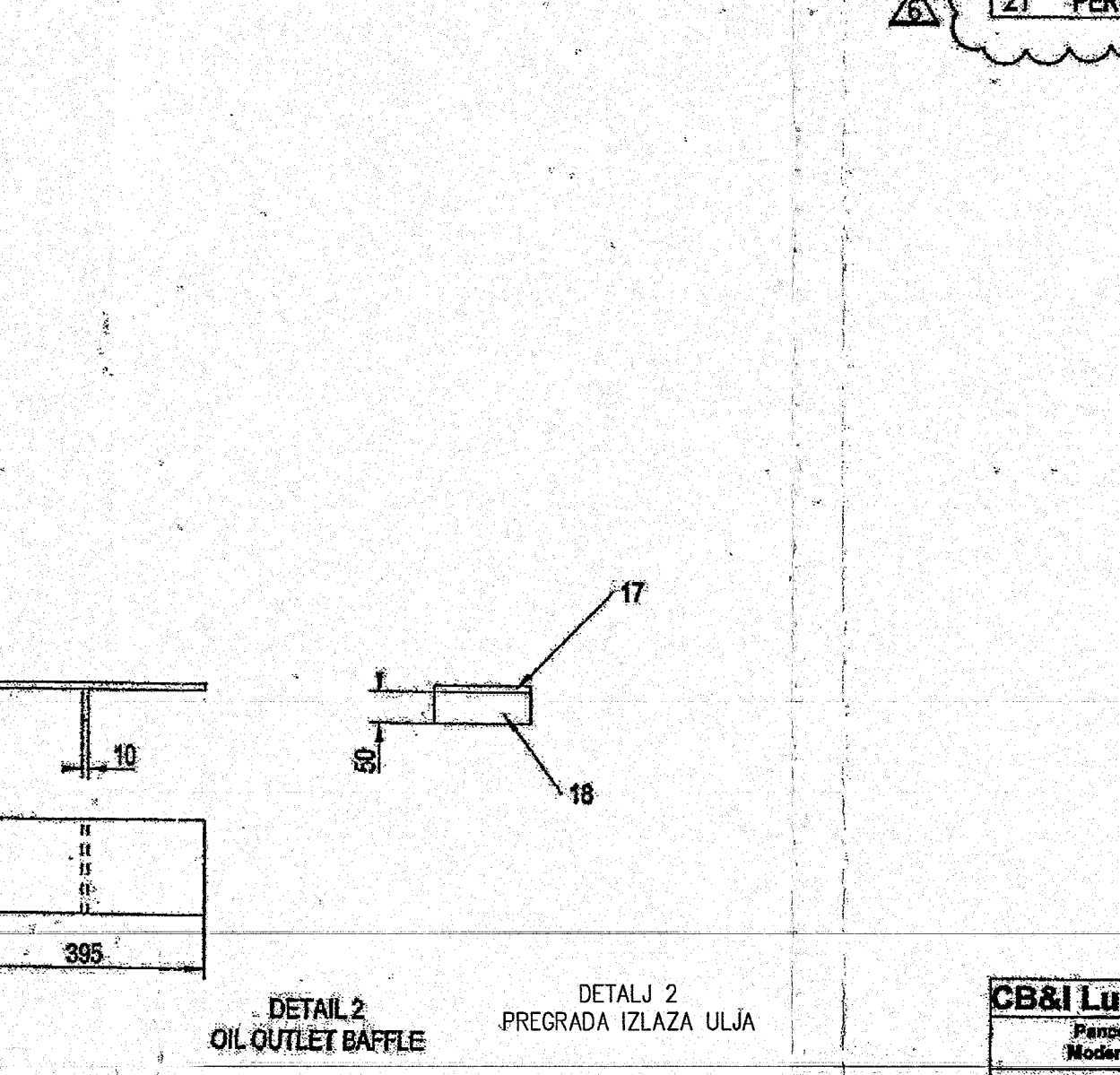
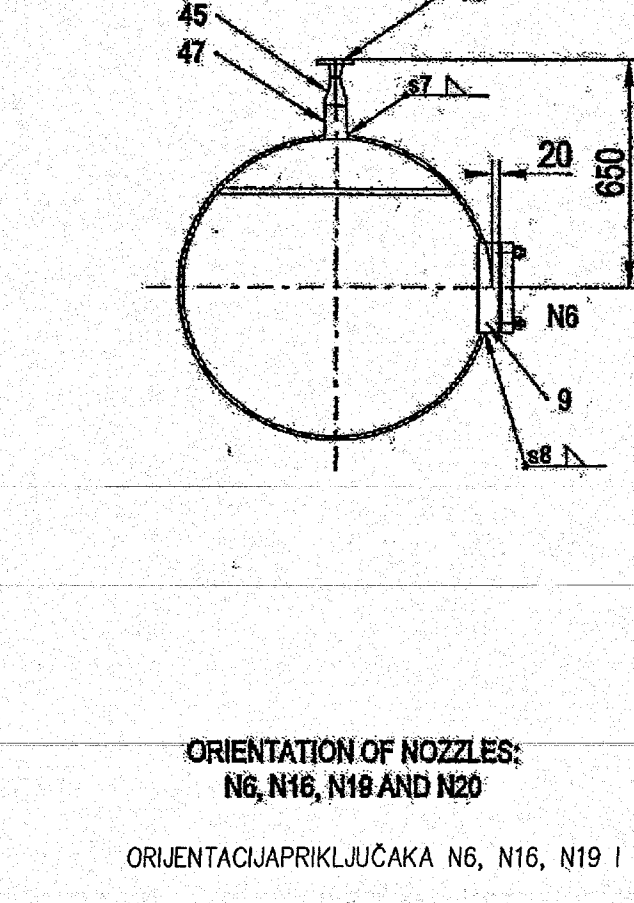
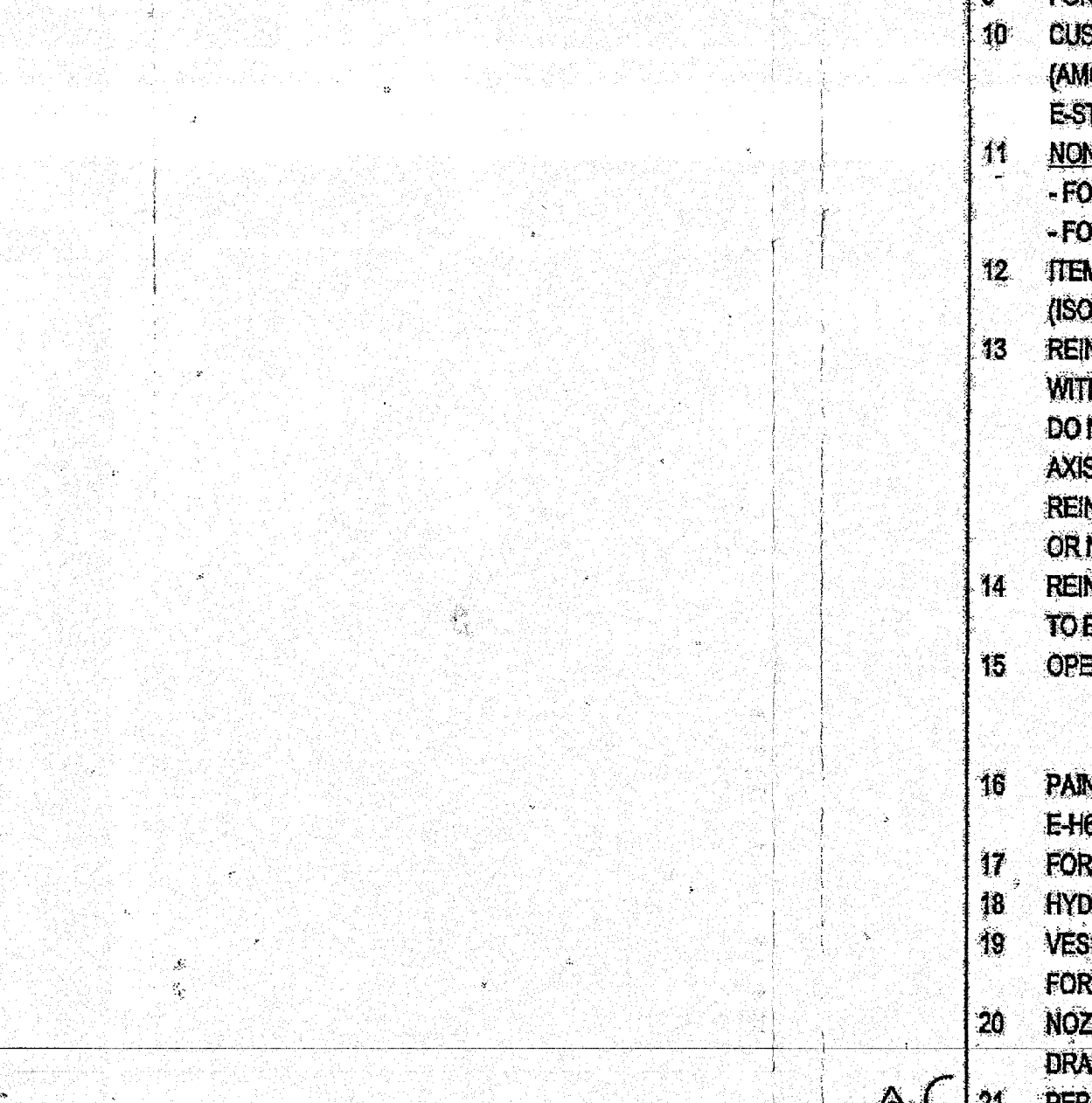
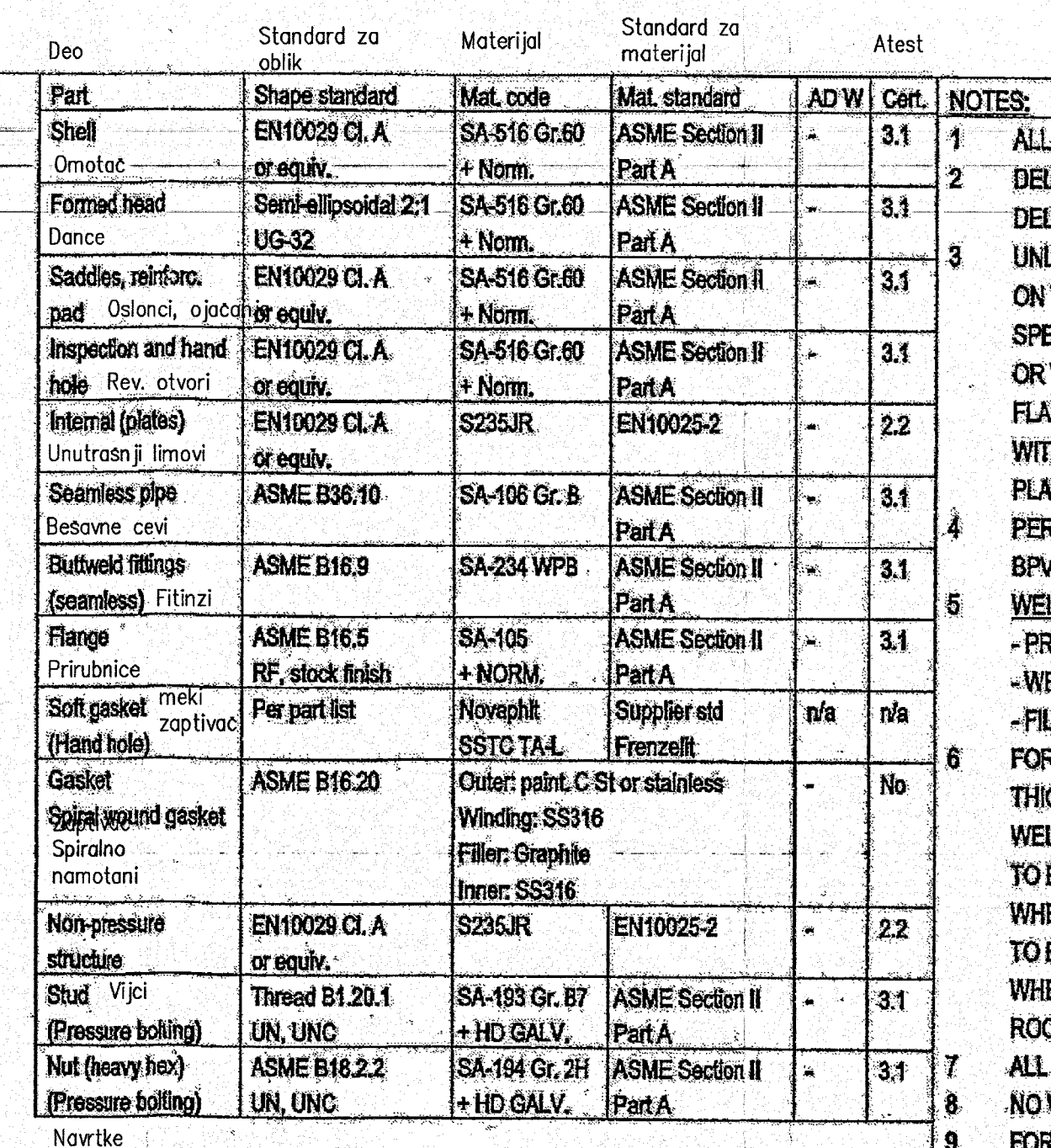
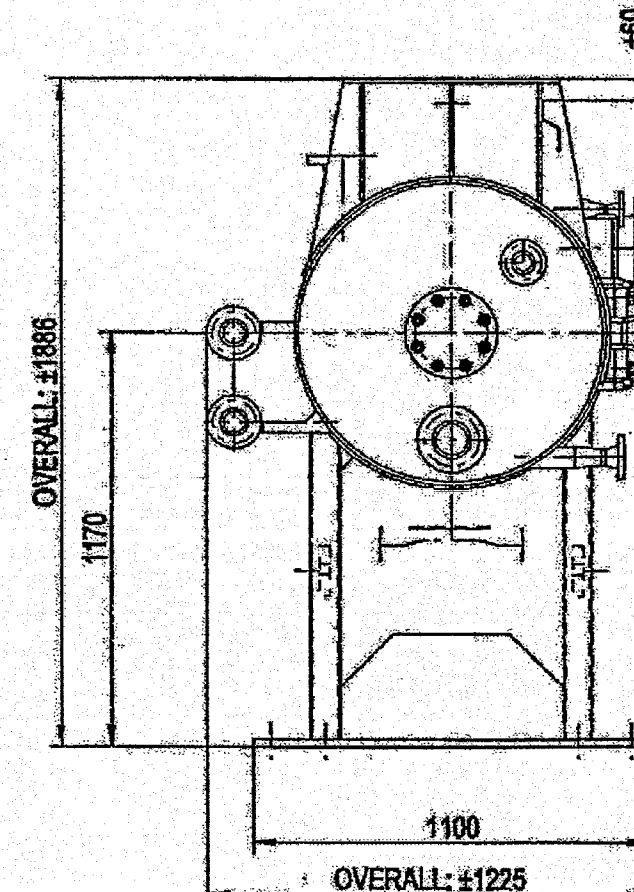


Pressure Vessel Data Sheet

1	Document no.:	E-H6373-400/01-TD-02-MYC				
2	Customer:	NIS				
3	Location:	Pancevo, Serbia				
4	Service:	OIL SEPARATOR FA-5104X				
5	Type:	Horizontal				
6	Code:	ASME VIII Div.1 Latest Edition, CE-PED, without U-stamp				
7	Size:	Shell Dia.:	OD 864 mm	Shell L:	4200 mm	
8	Q'ty:	per Unit:	1	Unit:	1	
9	Fluid Name	Tail Gas + Lubricant Oil				
10	Temperature	C	85.9			
11	Pressure	barG	7.4			
12	Design Pressure	barG	FV/10			
13	Design Temperature	C	120			
14	Corrosion Allowance	mm	3			
15						
16	Material	Shell / Heads / Plates / Internals	SA516Gr.60N/ S235JR			
17		Nozzle - neck/Fittings	SA-106BN/ SA-234 WPB			
18		Flange	SA-516 Gr 60N			
19		Saddle / Wrapper Plate	SA-516 Gr 60N			
20		Gasket	Spiral wound construction, SS316 with graphite			
21	Nozzle	Name	Size	Q'ty	Rating	
22		Gas & Oil Inlet	6"	1	ANSI150#RF	
23		Gas Outlet	4"	1	ANSI150#RF	
24		Oil Outlet	4"	1	ANSI150#RF	
25		Oil PDCV Return	2"	1	ANSI150#RF	
26		Oil PSV return	3"	1	ANSI150#RF	
		Gas PSV	3"	1	ANSI150#RF	
27		Oil Heater	3"	1	ANSI150#RF	
28		Level Instrument	2"	2	ANSI150#RF	
29		Pressure Instrumentation	3/4"	5	ANSI150#RF	
30		Temp. Instrumentation	1 1/2"	2/1	ANSI150#RF	
31		Oil Return & Drain	3/4"	4	ANSI150#RF	
32		Vent	3/4"	1	ANSI150#RF	
33		Drain	3/4"	1	ANSI150#RF	
34		Handhole	Proprietary (520x320)	2		
35		Inspection hole	4"	2	ANSI300#RF	
36	Internal Parts /Legs	Leg:	Saddle Type			
37		Coalescer/Demister:	1st OS 11 + 2nd OS 11 (Total 22 pcs) MFF 400			
38		Impingement Plate	NA			
39		Nozzle Internal	Gas Inlet 6"			
40						
41						
42	Surface Preparation	Refer to customer's specification with Color RAL 6029				
43	Primer Coat					
44	Interm. Coat					
45	Finish Coat					
46	Customer's Specification:	E-H6373-600/00-TX-02-UOP, E-STANDARD-402-00-ST-00-UOP, CBI Requisition 02163-1601				
47	(Deviation shall be clarified, if any)					
48						
49						
50	Pressure Proof Test :	Design Pressure x 1.5				
51	Inspection:	As per code and specifications				
52	Documentation:	Drawings, WPS/PQR/Weldmap, Calculation, ITP, Material Certificate, NDE Procedure/reports, Hydrotest Certificate				
53	Spare Parts Require's	3 sets of each type installed gaskets or O-rings, 10% bolt and nuts per size for vessel boltings				
54	Notes	MDMT: -28 °C				
55		RT 100%, MT 100% (Nozzle shell)				
56		Flanged connection smaller than 2" shall be reduced from 2" shell connection.				
57	Schematic:					
58						
59						
60						
61						
62						
63						
64						
65						
66						
67						
68						
69	This data and attached document shall not be disclosed to any third parties.					

[illegible]

Design data		<input type="checkbox"/> AS-4000 B Series <input type="checkbox"/> ASME BPVC VIII Div. 1 Year: 2000 Addenda: - <input type="checkbox"/> QW-11P or QW294 (See separate test block) <input type="checkbox"/> Other: _____			
Process media		Shell side		Tube side	
<input type="checkbox"/> GAS & OIL <input type="checkbox"/> Pressure: 274 / 10 barG n/a barG <input type="checkbox"/> Temperature: 128 / 129 °C n/a °C <input type="checkbox"/> Design: Pressure: 10 barG n/a barG <input type="checkbox"/> conditions: 2 Temperature: n/a °C n/a °C <input type="checkbox"/> Corrosion allowance: .3 mm n/a mm <input type="checkbox"/> shell efficiency: <input type="checkbox"/> 1 <input type="checkbox"/> 0.85 <input type="checkbox"/> Other: _____ P.W.M.T. mm					
NDE		<input type="checkbox"/> per code with a minimum of 10 % NDE <input type="checkbox"/> Full RT - 100% NDE <input type="checkbox"/> Other requirements, note notes			
Test data		Shell side		Tube side	
<input type="checkbox"/> Test pressure: 1.5 barG barG barG <input type="checkbox"/> Test position: _____ <input type="checkbox"/> Vertical <input type="checkbox"/> Test press. hold time: >30 min <input type="checkbox"/> Test medium: WATER <input type="checkbox"/> FUEL: CRUDEOIL / _____ Year built: 2011 <input type="checkbox"/> PED (P7226G) data					
Modified body		<input type="checkbox"/> 10% Reinforced NoBo No: 6036			
Flare group		<input type="checkbox"/> 1 <input type="checkbox"/> 2			
Category		<input type="checkbox"/> A1-A3 Sec. 8 <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> V			
Module		<input type="checkbox"/> n/a <input type="checkbox"/> A <input type="checkbox"/> A1 <input type="checkbox"/> G <input type="checkbox"/> BHF <input type="checkbox"/> BHF			
Physical data		Shell side		Tube side	
<input type="checkbox"/> Volume: 2.8 m3 n/a m3 <input type="checkbox"/> Max. liquid content: 117.5 % Vol n/a % Vol <input type="checkbox"/> Empty weight: 2400 kg <input type="checkbox"/> Test weight (Full water): 2900 kg <input type="checkbox"/> Operating weight: 2855 kg					
<input type="checkbox"/> Operating pressure: 7.4 barG <input type="checkbox"/> Operating temperature: 80.4 °C <input type="checkbox"/> ASME VIII Div. 1, additional data: _____					
For Internal pressure only		Shell side		Tube side	
<input type="checkbox"/> MAWP (Std and corroded): 13.6 barG at 120 °C n/a barG at n/a °C					

[illegible][illegible][illegible][illegible]

THIS DOCUMENT MUST BE TREATED AS CONFIDENTIAL. IT MUST NOT BE COPIED, DISTRIBUTED TO OTHERS OR ITS CONTENTS BE USED OR COMMUNICATED EITHER IN WHOLE OR IN PART WITHOUT PERMISSION OF MAYEKAWA EUROPE N.V. ALL RIGHTS ARE RESERVED.

MAYEKAWA Leuvensesteenweg, 605
1930 - ZAVENTEM
BELGIUM

Tag No **FA-5104X**
Oznaka **OIL SEPARATOR**
Service Name **HS8642 S-52228**
Mayekawa's Type **UOP / PANCEVO**
Mayekawa tip **0035**
Built for **MAYEKAWA EUROPE**
Napravljeno za **Notified body**
Design by **Projektovao**

Media **GAS** Fluid Group **1**
Fluid **IV** Grupa fluida **G**
Category **IV** Modul **G**
Kategorija **IV** Modul **G**
Design Temperature Min / Max (TS) **-28 / +120** °C
Min/max projekt temperature **FV / 10** barG
Design Pressure Min / Max (PS) **15** barG
Min/max projektni pritisak **15** barG
Year Built **2011** Test Pressure (PT) **15** barG
Godina proizvodnje **100%** Ispitni pritisak **15** barG
Radiography **100%** Test Press. Date **15** barG
Radiografija **100%** Datum ispitivanja **15** barG
Heat Treatment **NO** Corrosion Allowance **3** mm
Toplotna obrada **NO** Dodatak na koroziju **3** mm
Volume (V) **2600** l Total Weight Empty **2400** kg
Zapremina **455** l Ukupna masa praznog **2855** kg
Liquid Content Max. **455** l Ukupna masa u radu **2855** kg
Max. zapremina tečnosti **ASME VIII DIV 1 (2010)**
Rules And Codes **CKD CHLAZENI CHOZEN S.R.O.**
Propisi **CT/OS/FSU**
Manufactured by **CT/OS/FSU**
Proizvođač **CT/OS/FSU**
Manufacturer Serial Number **CT/OS/FSU**
Fabrički broj **CT/OS/FSU**

PROJEKTOVAO
KORISNIK
NAZIV
OZNAKA-CRTEŽA BR.
FABRIČKI BROJ / GOD. IZRADE

KLASA
PROJEKTNII PRITISAK
PROJEKTNIA TEMPERATURA
ISPITNI PRITISAK
RADIOGRAFSKO ISPITIVANJE
TERMIČKA OBRADA
ZAPREMINA
RADNI FLUID
MASA POSUDE

CKD CHLAZENI CHOZEN S.R.O.
NIS Petrol OD Rafinerija Nafte Pancevo
FA-5104X / SEPARATOR ULJA
B-H6373-400/01-DW-02-MYC
CT/OS/FSU
2011

PROPRI
ASME VIII
DIV 1
(2010)
KONTROLA

FV / 10 bar
-28 / +120 °C
15 bar
100%
NE
2.6 m³
GAS
2855 kg

UOP REVISION STATUS

REJECTED
SUBJECT TO COMMENTS
APPROVED
FOR INFO
DATE: 16/04/2012 BY: VPK

NOTES FOR CUSTOMER NAMEPLATE ONLY:

- 1/ All nameplates to be supplied and filled out by the manufacturer.
Material: SS304. Faces: blank and polished, background: etched and painted black.
2/ Letters and figures (height 4 mm) in background to be 0.2 mm exserted.
3/ Data on polished surfaces is to be inserted by engraving - depth 0.2 mm and must be clearly legible. the height of the lettering shall be 4 mm (min.). All text and data to be shown in Serbian language.
4/ Additionally, following data shall be shown directly on the vessel body (near nameplate): Name of the manufacturer, manufacturer's serial number, year built

No	DESCRIPTION	QTY	MATERIAL	REMARKS
2	CUSTOMER NAMEPLATE	-	SS304	FAB. SEE ME-27975
1	MAYEKAWA NAMEPLATE	-	SS304	FAB. SEE ME-27976

No	DESCRIPTION	QTY	MATERIAL	REMARKS
2	CUSTOMER NAMEPLATE	-	SS304	FAB. SEE ME-27975
1	MAYEKAWA NAMEPLATE	-	SS304	FAB. SEE ME-27976

No	DESCRIPTION	QTY	MATERIAL	REMARKS
2	CUSTOMER NAMEPLATE	-	SS304	FAB. SEE ME-27975
1	MAYEKAWA NAMEPLATE	-	SS304	FAB. SEE ME-27976

MAYEKAWA www.mayekawa.eu

Drawn by: M.E. MOUSATI Date: 24.06.11
Chk'd by: X. DESTREE Date: 24.06.11
App'd by: W. DIERCKX Date: 24.06.11

Global part code: n/a
Project name: UOP / PANCEVO
Job No (60): 52228
DWG No: ME-27966-15
Rev. 1

REV.	BY	DATE	DESCRIPTION	CHECKED	ISSUE	APP'D
5	MEM	08.12.11	CUSTOMER REMARKS	XDE	AM	VD
4	MEM	18.11.11	CHANGED AS MARKED	XDE	AM	VD
3	MEM	07.09.11	CB&I TITLE BLOCK UPDATED	XDE	AM	VD
2	MEM	27.07.11	CUSTOMER COMMENTS	XDE	AM	VD
1	MEM	05.07.11	GENERAL UPDATES	XDE	AM	VD
0	MEM	24.06.11	FIRST ISSUE	XDE	-	VD

UOP A Honeywell Company

UOP N.V.
NOORDERLAAN 147
B-2030 ANTWERP, BELGIUM

PROJECT PANCEVO / SERBIA
SCALE: 1/1
SHEET 1 OF 1
C H6373 400 02 DW/02 MYC



ProiNG ProiNG d.o.o.
Zaplanjska 86
11010 Beograd
tel./fax: +381 11 2472 833
office@proiing-bg.rs

Investitor
SGS Beograd d.o.o. - Beograd

Lokacija
Naftna Industrija Srbije a.d. Rafinerija nafte Pancevo

Objekat
Separator ulja
PI-01-SGS-000-30-17/12

Projekat
Notifikacija otestno-tehnicke dokumentacije separatora ulja oznaka FA-5104X, fabr. br. CT/OS/FSU

Naziv crteza
Crtez natpisne tablice

Veza sa crtežom br.
ME-27966-1

Crtez broj
PI-01-SGS-30-17/12-04

Revizija/datum:
0/jun 2012

Format crteza
A2