

P-4007 B

Oil Recycle Pump  
Production Platform  
Process liquid: Produced Water + Oil  
Rated capacity: 64.1m<sup>3</sup>/h  
Differential pressure: 16.6 bar  
NPSHa: 6 m  
Installed power : 55 kW  
Design pressure: 25 barg  
Design temperature: -7.6/110 °C  
PSV set pressure: 20 barg  
Materials: 25%Cr Duplex Stainless Steel process wetted

V-4007 B

Seal system vessel  
Type: Bladder accumulator  
max. working pressure: 20 barg @ 80°C (Bladder)  
max.working pressure: 75 barg (Vessel)  
Vessel Total Capacity: 20 litres  
Materials: Stainless Steel  
Normal operating pressure: 7.2 barg

Legend

Hard wired

Serial

PSD

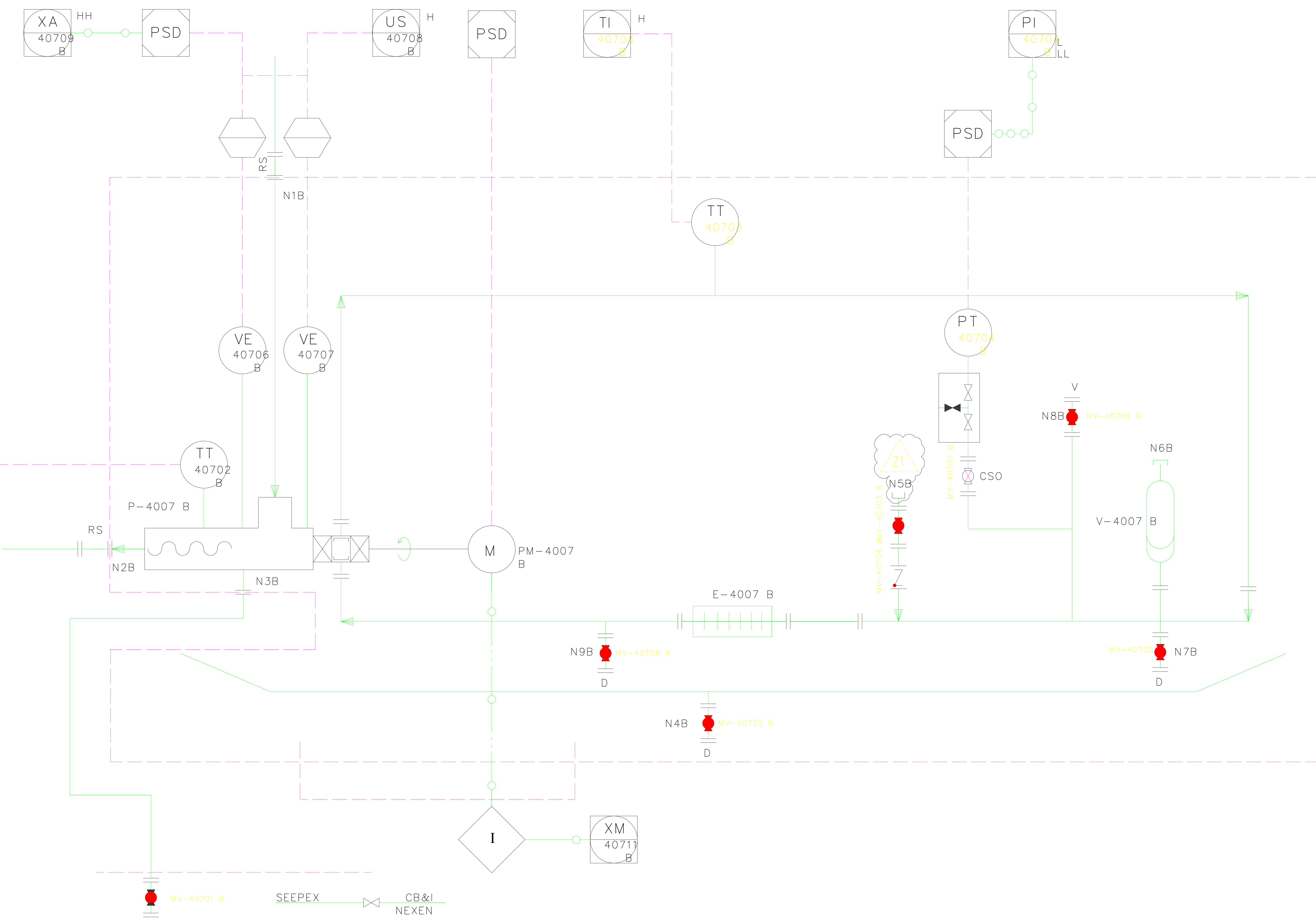
Link Process shutdown system

Process control system

Machinery Monitoring System

Termination Point Schedule

|     |                                                                                                          |
|-----|----------------------------------------------------------------------------------------------------------|
| N1B | pump inlet flange 6" ANSI B 16.5, 300lbs, RF                                                             |
| N2B | pump outlet flange 4" ANSI B16.5, 300lbs, RF                                                             |
| N3B | pump casing drain flange 2" ANSI B16.5, 300lbs, RF c/w valve (supplied loose, free issue) + blind flange |
| N4B | baseplate drain flange 2" ANSI B16.5, 150lbs, RF c/w valve + blind flange                                |
| N5B | plan 53B filling connection 1/2" ANSI B16.5, 300lbs, RF c/w 1/2" NPT quick release coupling              |
| N6B | N2 charging connection accumulator 1/4" BSP/M                                                            |
| N7B | Drain connection accumulator 1/2" ANSI B16.5, 300lbs, RF c/w blind flange                                |
| N8B | plan 53B vent connection 1/2" ANSI B16.5, 300lbs, RF c/w blind flange                                    |
| N9B | Drain connection barrier interconnection piping 1/2" ANSI B16.5, 300lbs, RF c/w blind flange             |



NOTES

1. PUMPS P-4007A AND P-4007B ARE MOUNTED ON A COMMON BASE PLATE.

| REV | DATE     | DESCRIPTION     | DRN | CHK | APP | CLT |
|-----|----------|-----------------|-----|-----|-----|-----|
| Z1  | 14.03.16 | AD-HOC AS-BUILT | SB  | KS  | AH  | TR  |
| H   | 28.09.12 | REVISE          | MEL |     |     |     |
| G   | 07.09.12 | REVISE          | MEL |     |     |     |
| F   | 23.08.12 | REVISE          | MEL |     |     |     |
| E   | 01.08.12 | REVISE          | MEL |     |     |     |
| D   | 15.05.12 | REVISE          | MEL |     |     |     |



TITLE:  
PIPING AND INSTRUMENT DIAGRAM  
OIL RECYCLE PUMP  
P-4007B

SCALE (A1): N.T.S.

ASSAI No:

CONTRACT No: 168397

CLIENT CONTRACT No:

DRAWING No.  
168397-100-PO-3280-MC2-007-02

REV  
Z1