

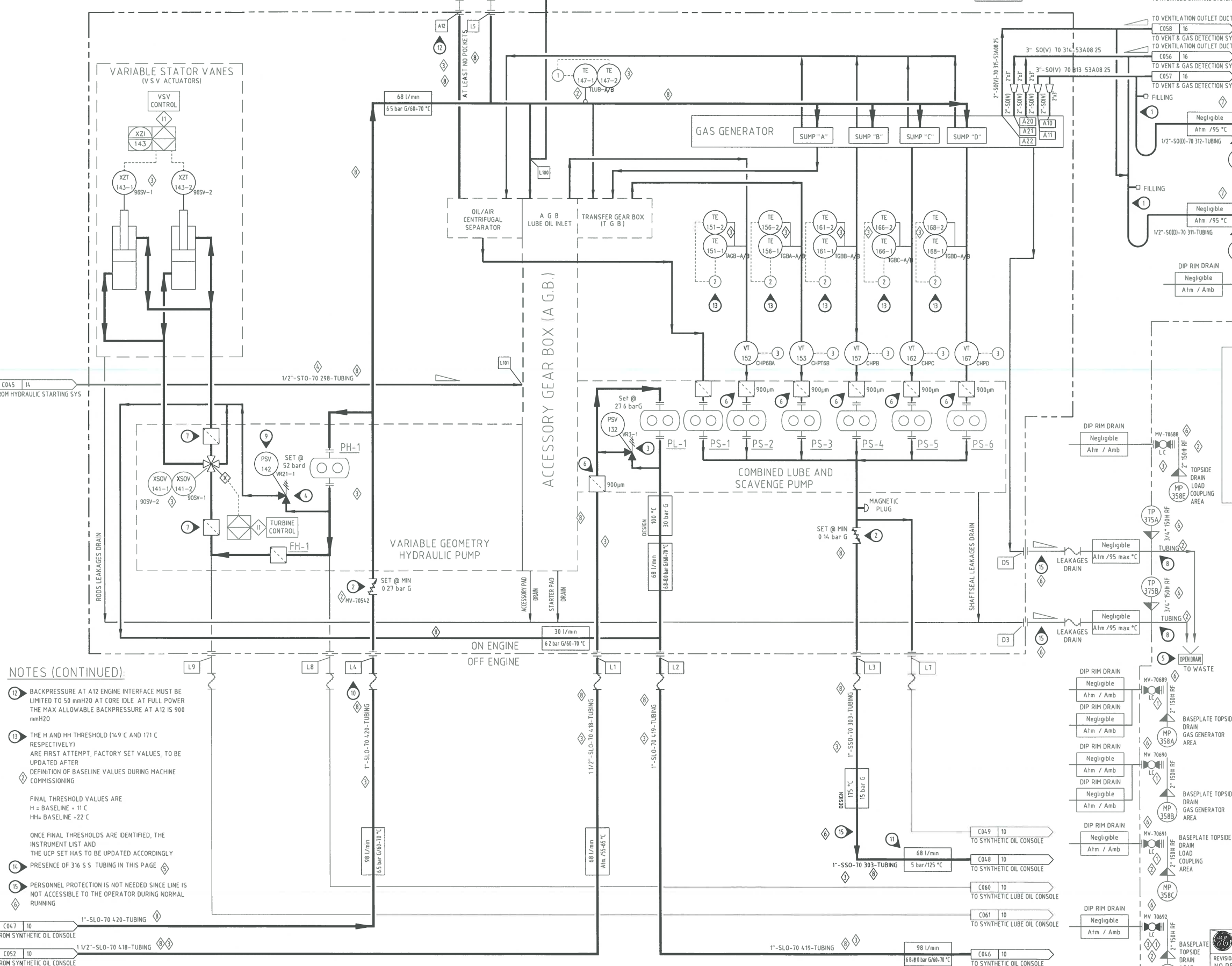
# TURBOUNIT BASEPLATE/ENCLOSURE

**FH-1**  
SERVICE HYDRAULIC OIL FILTER  
FILTRATION DEGREE 5µ (PSI) ± 75 ISO 4406-1999  
DESIGN PRES /TEMP 75 bar G/110 °C  
MAX DELTA P CLEAN/ALLOWABLE DIRTY 0.3 bar/2 bar

**PL-1**  
SERVICE SYNTHETIC LUBE OIL PUMP  
FLOW (AT P/T) 68 l/min

**PH-1**  
SERVICE HYDRAULIC VG OIL PUMP  
FLOW (AT P/T) 30 l/min

**PS-1/2/3/4/5/6**  
SERVICE SCAVENGE PUMP  
FLOW (AT P/T) TOTAL - 68 l/min



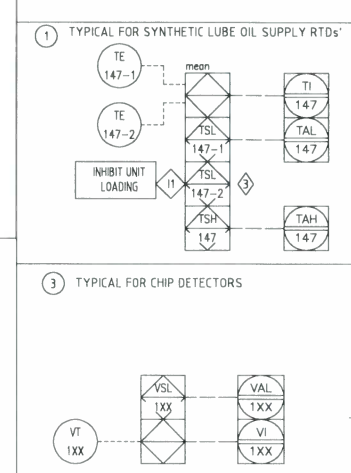
## NOTES (CONTINUED)

- 12 BACKPRESSURE AT A12 ENGINE INTERFACE MUST BE LIMITED TO 50 mmH<sub>2</sub>O AT CORE IDLE. AT FULL POWER THE MAX ALLOWABLE BACKPRESSURE AT A12 IS 900 mmH<sub>2</sub>O
  - 13 THE H AND HH THRESHOLD (16.9 °C AND 171 °C RESPECTIVELY) ARE FIRST ATTEMPT, FACTORY SET VALUES, TO BE UPDATED AFTER DEFINITION OF BASELINE VALUES DURING MACHINE COMMISSIONING
  - 14 PRESENCE OF 316 S.S. TUBING IN THIS PAGE
  - 15 PERSONNEL PROTECTION IS NOT NEEDED SINCE LINE IS NOT ACCESSIBLE TO THE OPERATOR DURING NORMAL RUNNING
- FINAL THRESHOLD VALUES ARE  
H = BASELINE + 11 °C  
HH = BASELINE + 22 °C
- ONCE FINAL THRESHOLDS ARE IDENTIFIED, THE INSTRUMENT LIST AND THE UCP SET HAS TO BE UPDATED ACCORDINGLY

## NOTES

- 1 HYDRAULIC HEAD MUST BE 250 mm AT FIRST START-UP THE SYPHON MUST BE SYNTHETIC OIL
- 2 SPRING LOADED CHECK VALVE (ANTI-STATIC)
- 3 VR3-1 IS INTEGRAL WITH PL-1 PUMP. VALVE INITIAL CRACKING PRESSURE OF 6.8 BARG AND BY-PASS PRESSURE OF 13.8 BARG
- 4 VR21-1 IS INTEGRAL WITH PH-1 PUMP
- 5 TO BE LEFT OPEN TO ATMOSPHERE AND VISIB E N ORDER TO ALLOW FLOW MONITORING
- 6 LAST CHANCE PROTECTION SCREEN INTEGRA WITH PUMP
- 7 LAST CHANCE PROTECTION SCREEN INTEGRAL WITH 90SV-1/2 SERVOVALVE
- 8 DO NOT CONNECT TO ANY OTHER DRAIN NO BACKPRESSURE IS ALLOWED
- 9 VALVE SET IS 52 BARD (DIFFERENTIAL) TO LUBE PUMP DELIVERY PRESSURE. THE MAX RESULTING HYDRAULIC PUMP DELIVERY PRESSURE IS AROUND 60 BARG
- 10 MAX STATIC HEAD PRESSURE ALLOWABLE ON L4 IS 125 BARG. TO AVOID RISK OF ENGINE FLOODING THE ABOVE PRESSURE SHOULD BE LIMITED TO 11.8 BARG
- 11 SCAVENGE LINE HANDLE 68 L/MIN OF OIL AND 0.102 M<sup>3</sup>/MIN OF AIR. THE EXTREME TEMPERATURE VALUE IS 171 °C

## CONTROL LOOPS



Nexen Petroleum (U.K.) Limited					
VENDOR : GE Nuova Pignone (AMEC FW)					
EQUIPMENT TITLE : PIPING & INSTRUMENT DIAGRAMS					
EQUIPMENT TAG NO(S) : X-7001A/B, X-5701A/B					
Vendor Document Number					
Purchase Order No	Doc Type	Seq. Sheet No	Rev.	DATE	
168397 - 200 - P0 - 3270 - MC2 - 001 - 11	Z1	24/10/16			
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Accepted With Comments (Assai Code - AWC) - Generally acceptable but elements require to be addressed. Document shall be revised by Supplier to incorporate the necessary changes and subsequently re-submitted.					
Accepted As Final (Assai Code - FIN) - Documents are considered acceptable, do not re-submit.					
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Z1	24/10/16	AD-HOC AS-BUILT			
REV	DATE	DESCRIPTION	DRN	CHK	APP

## EQUIPMENT TAG NUMBERS

N.P. TAG n°	DESCRIPTION	CUSTOMER TAG n°	
PL-1	SYNTHETIC LUBE OIL PUMP	X-7001A	X-7001B
PS-1	COMBINED SCAVENGE PUMP	P-7060A	P-7060B
PS-2	COMBINED SCAVENGE PUMP	P-7061A	P-7061B
PS-3	COMBINED SCAVENGE PUMP	P-7062A	P-7062B
PS-4	COMBINED SCAVENGE PUMP	P-7063A	P-7063B
PS-5	COMBINED SCAVENGE PUMP	P-7064A	P-7064B
PS-6	COMBINED SCAVENGE PUMP	P-7065A	P-7065B
PH-1	HYDRAULIC OIL PUMP	P-7066A	P-7066B
FH-1	HYDRAULIC OIL FILTER	P-7005A	P-7005B

TITLE: SYNTHETIC OIL BASEPLATE P&I DIAGRAM		DOCUMENT CODE: SOM5081932		REVISION: 11	
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SHEET: 11 of 21		SHEET: 11 of 21		SHEET: 11 of 21	