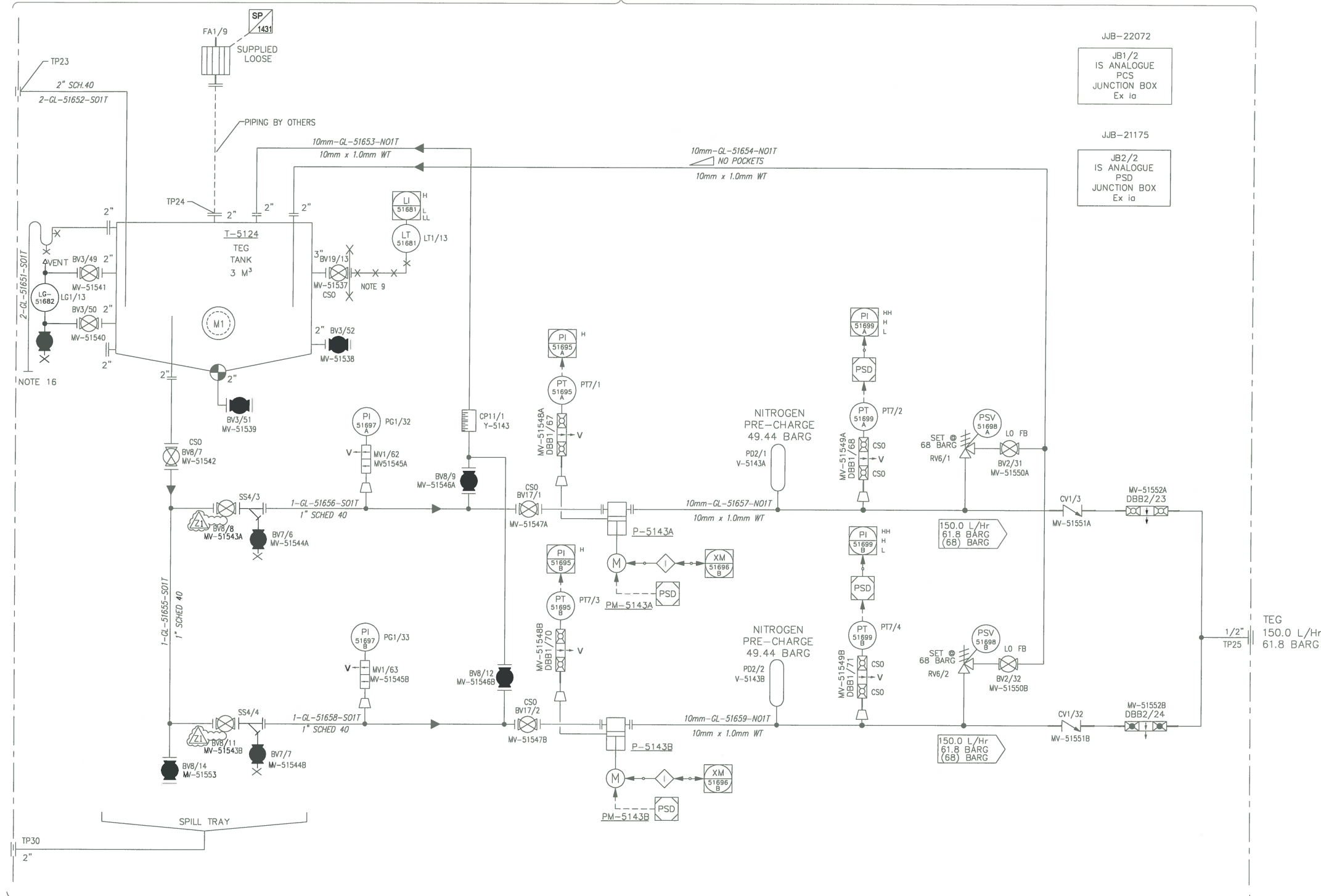


PACKAGE: X-5201 WATER INJECTION

TEG PUMPS
P-5143A - 1.5kW
P-5143B - 1.5kW

CONTINUED ON DRG. No. 440010/326



CONTINUED ON DRG. No. 440010/328

1. SYMBOLOGY IN ACCORDANCE WITH LEGEND SHEETS 168397-100-PR-PI-0001-01, 0002-01, 0003-1 AND 0004-1.
2. ALL PIPE TO BE SEAMLESS 316LSS. ALL TUBING TO BE HASTELLOY C276 ASTM B6-22.
3. TUBE FITTINGS TO BE TWIN FERRULE COMPRESSION TYPE 'A-LOK', HASTELLOY C276.
4. THREAD SEALANT : SWAK.
5. FLUID : TEG.
6. ALL PRESSURES ARE OPERATING.
7. ALL PUMPS TO BE FITTED WITH MANUAL STROKE ADJUSTMENT FROM 0-100% OF DOSING RATE.
8. ALL DRAIN NOZZLES TO BE LOCATED FLUSH WITH TANK/VESSEL BOTTOM TO ENABLE COMPLETE EMPTYING OF TANK.
9. DP CONNECTION 3" WITH CAPILLARY CHEMICAL SEAL SENSING LEVEL AT PUMP SUCTION AND FLUSHING RING. C/W PLUGGED VENT & DRAIN.
10. ALL TRANSMITTERS TO HAVE LOCAL READOUT AND FLUSHING RINGS.
11. FLAME ARRESTOR TO BE SUPPLIED LOOSE FOR LOCATION IN PURCHASER PIPING.
12. ALL VENTS AND BLEEDS MUST BE FITTED WITH PLUGS.
13. INLET TO PSV TO RISE CONTINUOUSLY WITH NO POCKETS. OUTLET FROM PSV TO FALL CONTINUOUSLY TO TANK.
14. FLAME ARRESTOR PIPING BY OTHERS.
15. PUMP INTERNAL RELIEF VALVES SET AT 75 BARG.
16. OVERFLOW DIRECTED TO SPILL TRAY.
17. PUMP SUCTION AND DISCHARGE 3" ANSI 600 RF.
18. ALL CSO (CAR SEAL OPEN) AND CSC (CAR SEAL CLOSED) VALVES LOCKING MECHANISM IS TO BE SUPPLIED BY OTHERS.
19. TANK OPERATING & ALARM LEVELS RELATIVE TO TANK DRAIN VALVE (SHOWN AS DATUM POINT).
LL: 793mm L: 1000mm HH: 2850mm
BRIM: 3000mm.

X-5201 TIE-IN SCHEDULE

| TIE-IN No | TANK No | SIZE | RATING | FLANGE | SERVICE |
|-----------|---------|------|--------|--------|--------------------------|
| TP23 | - | 2" | 150# | RF | DECANTING PLATFORM INLET |
| TP24 | - | 2" | 150# | RF | TEG VENT |
| TP25 | - | 1/2" | 600# | RF | TEG OUTLET |
| TP30 | - | 2" | 150# | RF | SPILL TRAY |

| | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------|------|-------------|
| Nexen Petroleum (U.K.) Limited | | | | |
| VENDOR : TYCO (AS-BUILT BY AMEC FW) | | | | |
| EQUIPMENT TITLE : CHEMICAL INJECTION PACKAGE (WATER INJECTION) - TEG | | | | |
| EQUIPMENT TAG NO(S) : X-5201 | | | | |
| Vendor Document Number | | | | |
| Purchase Order No | Doc Type | Seq. No | Rev. | DATE |
| 168397 - 100 - PO - 3366 - MC2 - 017 | | | Z1 | 24/05/14 |
| SUPPLIER DOCUMENT REVIEW | | | | |
| Rejected (Assai Code - REJ) - Quality and content is out of conformity with Company requirements. Document shall be revised by Supplier to incorporate the necessary changes and subsequently re-submitted. | | | | |
| 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. | | | | |
| Accepted For Information (Assai Code - AF) - No further action required, do not re-submit. | | | | |
| 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, not detract from any of the Purchaser's rights. | | | | |
| REV | DATE | DESCRIPTION | DRN | CHK APP CLT |
| Z1 | 24/05/14 | AS-BUILT AS PER GIC0036 | | |

| Rev | Date | Description | Orig | Ckd | App | Rev | Date | Description | Orig | Ckd | App | Rev | Date | Description | Orig | Ckd | App |
|-----|----------|-----------------------------|------|-----|-----|-----|------|-------------|------|-----|-----|-----|------|-------------|------|-----|-----|
| 4 | 12/03/13 | RE-ISSUED AS-BUILT (CS.017) | | CP | | | | | | | | | | | | | |
| 3 | 12/09/12 | ISSUED AS-BUILT | | PA | TC | AG | | | | | | | | | | | |
| 2 | 11/07/12 | ISSUED FOR MANUFACTURE. | | PA | TC | AG | | | | | | | | | | | |
| 1 | 30/04/12 | ISSUED FOR MANUFACTURE. | | PA | TC | AG | | | | | | | | | | | |
| A | 27/02/12 | ISSUED FOR APPROVAL | | PA | TC | AG | | | | | | | | | | | |

IF IN DOUBT ASK

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DO NOT SCALE

Orig PA 01/02/12
Chd TC 01/02/12
App AG 01/02/12

tyco Fire & Integrated Solutions

NEXEN PETROLEUM UK LTD
GOLDEN EAGLE AREA DEVELOPMENT
CHEMICAL INJECTION PACKAGE

Drawing Title P&I DIAGRAM - TEG
PACKAGE X-5201 WATER INJECTION

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Contract No. WN440010

Drg No 440010/327

Rev 4