

|  |                                  |                                       |                   |
|--|----------------------------------|---------------------------------------|-------------------|
| <p align="center"><b>HISTORY CARD</b></p> <p align="center"><b>PRESSURE REFLIEF DEVICES RECORD</b></p> |                                  | PLANT/AREA :                          | C32S(SRU) / SWS 3 |
|  |                                  | TAG NO.:                              | PSV440304         |
|  |                                  | DATE OF REGIST :                      | 17/09/2013        |
| PROCESS OPERATION DATA   |                                  |                                       |                   |
| Line/Equip.No  | '44E001                          | Sizing Basis                          | Thermal expansion |
| Service Fluid  | STRIPER FEED WATER(Water)(L)     | Set Pressure                          | 8.44 Bar(g)       |
| Mol. Weight  |                                  | Cold Different Test Pressure          | 8.6 Bar(g)        |
| Max. Operating Pressure  | 8.44 Bar                         | Super Imposed Back Pressure(Constant) | 0.2 Bar           |
| Operating Pressure   | 5.4 Bar                          | Super Imposed Back Pressure(Variable) | 0 ATM             |
| Operating Temp   | 91 C                             | Built up Back Pressure (Variable)     | N/A               |
| Max. Operating Temp  | 133.2 C                          | Built up Back Pressure (Constant)     | N/A               |
| Blow off Temp  | N/A                              | Capacity(Required)                    | 929.6 kG/Hr.      |
| Condition for Maintenance  | Shut_down                        | Orifice Area(Required)                | 0.191 sq.Inch     |
| Responsible Plant By   | นาย ประวิทย์ ศรีวาณิชรักษ์       | Location(Required)                    | On_line           |
| MAINTENANCE AND TECHNICAL DATA   |                                  |                                       |                   |
| Manufacturer   | FUKUI                            | Interval time                         | 5                 |
| Serial No.   | '918165*                         | Spare Valve Provide                   |                   |
| Model No.  | RG2261-1SO(B)                    | Isolate valve                         | No                |
| PRD Type   | Conventional Safety Relief Valve | Valve Type                            | N/A               |
| Normal Size(Outlet)  | 1 Inch                           | Normal Size(Inlet)                    | 3/4 Inch          |
| Pressure Rating(Outlet)  | 150                              | Pressure Rating(Inlet)                | 150               |
| Flange Face(Outlet)  | RF                               | Flange Face(Inlet)                    | RF                |
| Capacity(Relieving)  | 1896 kG/Hr.                      | Spring No.                            | N/A               |
| Orifice Area(Selected)   | 0.385 sq.Inch                    | Spring Material                       | SUS 304           |
| Effective Orifice Size   |                                  | Body and Bonnet Material              | A 105             |
| Nozzle and Disc.Insert Material  | 316L/1.4404                      |                                       |                   |
| Note Memo  |                                  |                                       |                   |
| Attachment   |                                  |                                       |                   |
| Remark   |                                  |                                       |                   |

| Pressure Reflief Devices Record |            |              |                    |                       |                   |               |                   |                       |              |               |               | PSV440304               |
|---------------------------------|------------|--------------|--------------------|-----------------------|-------------------|---------------|-------------------|-----------------------|--------------|---------------|---------------|-------------------------|
|                                 |            |              |                    |                       |                   |               |                   |                       |              |               |               | C32S(SRU)               |
| Work Type                       | Test Date  | Initial Test |                    | Recondition Part Data |                   |               |                   |                       |              |               |               | Remark / Recommendation |
|                                 |            | Pop Pressure | Leak               | Nozzle(Size)          |                   | Disc Insert   |                   | Spring Dimension (MM) | Replace Part | Final Test    |               |                         |
|                                 |            |              |                    | As found (MM)         | After Repair (MM) | As found (MM) | After Repair (MM) |                       |              | Pop Pressure  | Leak          |                         |
| PM                              | 06/11/2003 | 8.55 Bar(g)  | >100 Bubble/Min    | 0.00 N/A              | 0.00 N/A          | 0.00 N/A      | 0.00 N/A          | 50.80 N/A             | 0            | 8.6 Kg/sq.cm. | 30 Bubble/Min | nozzle,disc             |
| PM                              | 01/12/2006 | 8 Bar(g)     | >100 Bubble/Min    | 0.00 N/A              | 0.00 N/A          | 0.00 N/A      | 0.00 N/A          | 50.80 N/A             | 0            | 8.44 Bar(g)   | 0 Bubble/Min  | nozzle,discT/A2006      |
| PM                              | 16/03/2009 | 0 Bar(g)     | Passing Bubble/Min | 19.40 N/A             | 19.20 N/A         | 10.00 N/A     | 9.80 N/A          | 48.00 N/A             | 0            | 8.44 Bar(g)   | 7 Bubble/Min  |                         |