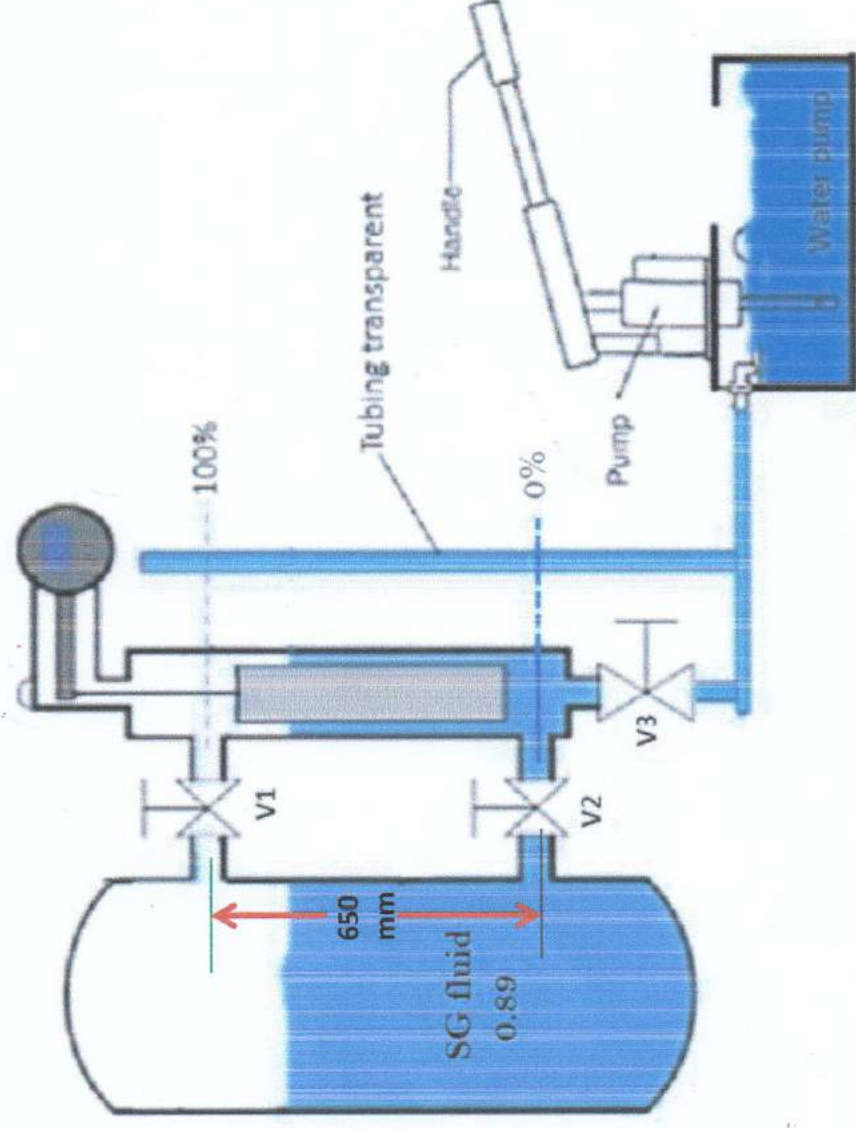


CV MITRA HASANAH TEKNIK

Report Title : Assessment of Instrument Device 2022		continued	
End User Name PT INDO BARAT RAYON	Location <i>CIKAMPEK</i>	Recommendation: - To perform wet calibration as now only functionality test done without proper calibration - To provide (procure) tool for calibration Attachment: - The list of similar type Instrument to be calibrated. - Calibration procedure. - Magnetostrictive level transmitter manual. https://www.jasaservis.net/Magnetostrictive-Level-Transmitter-Manual.pdf Assessor: Mohamad Yani/ Riswanto Date: 7-4-2022	
Tag no. LT5032	Description <i>Transmitter at S-509</i>		
Manufacturer HONEYWELL	Device <i>LT Magnetostrictive type</i>		
Reference <i>Data sheet</i>	ACCEPTED / NOT ACCEPTED		
Method Method of assessment is mentioned here below; - Visit site for inspection equipment. - Check and verify equipment specification - Review equipment performance through operation report			
Activities/ Observation; This LT integrated with LG, working principle based on buoyancy of displacer therefore testing and verification using liquid media is essential.			
		Customer Comment	

Magnetrol Level Transmitter Calibration



Calibration Procedure.

- 1. Follow safety precaution before starting job**
- 2. Release pressure from transmitter chamber.**
- 3. Arrange calibration set up as per drawing .**
- 4. Notify SG of process fluid, notify 0% level line and 100% level line, measure distance from 0% to 100%**
- 5. when chamber empty ensure transmitter out put 4mA, adjust zero button when required.**
- 6. Fill chamber with water up to full calibration line, ensure out put 20mA, adjust span button if required**

TAG Name	Service Description	Location	Instrument Type	Process fluid
LT5105	H-502 BFW TO CONDENSER #1	H 502	LEVEL X-MITTER - MAGNETOSTRICTIVE	Boiler feed water
LT5126	H-512 SULPHUR CONDENSER #2	H 512	LEVEL X-MITTER - MAGNETOSTRICTIVE	Boiler feed water
LT5148	H-522/532 SULPHUR CONDENSER 3/	H 522/532	LEVEL X-MITTER - MAGNETOSTRICTIVE	Boiler feed water
LT5032	S-509, INLET K.O. DRUM LEVEL	S-509	LEVEL X-MITTER - MAGNETOSTRICTIVE	Water/ AG
LSHH5033	S-509 H2S INLET K.O. DRUM	S-509	LEVEL SWITCH MAGNETROL	Condensate water
LSLL5034	S-509 H2S INLET K.O. DRUM	S-509	LEVEL SWITCH MAGNETROL	Condensate water
LSHH5094	V-506 STEAM DRUM	V-506	LEVEL SWITCH MAGNETROL	Water/steam
LSLL5097	V-506 STEAM DRUM	V-506	LEVEL SWITCH MAGNETROL	Water/steam
LSHH2115	V-260 FURNACE STEAM DRUM	V-260	LEVEL SWITCH MAGNETROL	Weed water
LSLL2116	V-260 FURNACE STEAM DRUM	V-260	LEVEL SWITCH MAGNETROL	Feed water

CV MITRA HASANAH TEKNIK

Report Title : Assessment of Instrument Device 2022 continued			
End User Name PT INDO BARAT RAYON	Location CIKAMPEK	Recommendation: In order to minimize unsafe action due to dipstick measurement activities, additional level transmitter proposed to be installed at this vessel. The Bubbler type transmitter is the one to be considered. Attachment: Bubbler type transmitter presentation https://www.iasaservis.net/Presentation/LT_bubbler_type.pptx Assessor: Mohamad Yani/ Riswanto Date: 7-4-2022	
Tag no. LT5003	Description Transmitter for vessel T-750		
Manufacturer HONEYWELL	Device Level Transmitter DP Cell Type		
Reference Data sheet	ACCEPTED / NOT ACCEPTED		
Method Method of assessment is mentioned here below; - Visit site for inspection equipment. - Check and verify equipment specification - Review equipment performance through operation report		Activities/ Observation; - The only one level transmitter available to measure level in this vessel - Seem personnel often use dipstick for measuring actual level of this vessel.	
Customer Comment			

CV MITRA HASANAH TEKNIK

Report Title : Assessment of Instrument Device 2022

continued

End User Name PT INDO BARAT RAYON	Location <i>CIKAMPEK</i>
Tag no. HS6104A/C/D	Description <i>Push button for CS2 Loading Arm Safety</i>
Manufacturer HONEYWELL	Device <i>Push button</i>
Reference <i>plot plan</i>	ACCEPTED / NOT ACCEPTED

Method

Method of assessment is mentioned here below;

- Visit site for inspection equipment.
- Check and verify equipment specification
- Review equipment performance through operation report

Activities/ Observation

- Found push button physically cracked and cover broken.
- TAG number missing

Recommendation;

- To replace push button with new one for following tags
HS6104A at CS2 loading area
HS6104C at CS2 Daily tank area
HS6104D at near to cooling water area
- To reconnect wiring and check functionality.
- To provide TAG number

Assessor: **Mohamad Yani/ Riswal** Date: **7-4-2022**

Customer Comment

CV MITRA HASANAH TEKNIK			
Report Title : Assessment of Instrument Device 2022			
End User Name	Location		
PT INDO BARAT RAYON	CIKAMPEK		
Tag no.	Description		
BE5087	Fire box flame detector		
Manufacturer	Device		
Fireye	Flame detector		
Reference	ACCEPTED / NOT ACCEPTED		
Instruction Manual			
Method Method of assessment is mentioned here below; - Visit site for inspection equipment. - Check and verify equipment specification - Review equipment performance through operation report			
Activities/ Observation; Found flame monitor not responding, no signal detected and no output to DCS.			
continued Recommendation; -To check functionality both, flame detector and amplifier during unit shutdown. -To provide/procure UV/IR lamp for testing 9 pcs flame detector installed at site. -To rectify detector and to normalize force in ESD Attachment; Flame detector testing tool catalogue Flame detector and amplifier manual https://www.jasaservis.net/IRIS-P522-Flame%20Monitor%20Manual.pdf https://www.jasaservis.net/IRIS-S552%20Flame%20Detector%20Manual.pdf https://www.jasaservis.net/FIREYE%20TOOL.pdf			
Assessor: Mohamad Yani/ Riswanto Date: 7-4-2022			
Customer Comment			

CV MITRA HASANAH TEKNIK

Report Title : Assessment of Instrument Device 2022

End User Name PT INDO BARAT RAYON	Location <i>CIKAMPEK</i>
Tag no. ANALYZER	Description <i>Process analyzers</i>
Manufacturer <i>Rosemount</i>	Device <i>Analyzers</i>
Reference <i>Instruction Manual</i>	ACCEPTED / NOT ACCEPTED

Method

Method of assessment is mentioned here below;

- Visit site for inspection equipment.
- Check and verify equipment specification
- Review equipment performance through operation report

Activities/ Observation:

Visit location and conduct assessment, found following analysers are out of service :

AT5042 AD Analyzer
AT5250 Flue gas Analyzer
QT3039 CH4 Analyzer

continued

Recommendation:

In order to maintain efficiency and a safe environment, the company is proposed to provide reliable online analysers.

Assessor: Mohamad Yani/ Riswanto Date: 7-4-2022

Customer Comment