


CV MITRA HASANAH TEKNIK		
Report Title : Assessment of Instrument Device 2022		1 Flexible Hose/Tube on Paramagnetic Detector (pO2) has been broken 2 UV Source has decrease performance and visually the window has dirty. 3 Analysis Cell has been Dirty.
End User Name PT INDO BHARAT RAYON - CS2 PLANT	Location <i>CIKAMPEK</i>	
Tag no. AT5250 A/B/C	Description <i>A-560 SO2/O2 Analyzer</i>	
Manufacturer <i>Rosemount Analytical</i>	Device type <i>O2/SO2 (CEMS) Analyzer</i>	
Reference/Model no <i>X-STREAM X2XF</i>	ACCEPTED / NOT ACCEPTED	
Method of assessment a. Visit site for inspection equipment. b. Check and verify equipment specification c. Review equipment performance through operation report Activities/ Observation A Gas Cylinders A 1 Calibration gas cylinder have expired and not valid to used. 2 Zero gas cylinder 3 Calibration gas cylinder chains corroded (risk of cylinder falling). B The Heated Sample Probe System at the incinerator stack disconnected 1 The Timer for Blowback is not Functioning. 2 PLC still run but several SOV cannot work. 3 Perma pure Dryer Assembly is clogged 4 Ceramic Filter was dirty and clogged. 5 Filter element is already dirty, damp and wrinkled. C Sample Transport Line (tubing) choked hence disconnected 1 The non heated sample transport line tubing partially clogged. 2 Instrument Air connected to the Sample Transport Line at the Analyzer Shelter D Sample Handling System in the Analyzer House 1 No Filter Element in Coalescing Filter 2 Existing Sample pump damaged. 3 Additional equipment (pump, Coaliscer Filter and Instrument Air Filter) 4 connected to Analyzer Sample Conditioning System. E SO2 and O2 Analyser out of service has been removed and sent for repair and calibration		Recommendation: 1 Procure Calibration Gas Cylinders (Zero and Span Gas Cylinders) 2 Rectify the problem on Heated Sample Probe or purchase a new one. 3 The new purging line (modification) to be remove and NOT TO BE USED. 4 Rectify the problem on Sample Handling System or purchase a new one. 5 Repair the analyzer (if the process condition as per original desig) 6 Otherwise procure a new cross stack CEMS analyzer to avoid choke in Heated Sample Probe and Sample Handling System as the best solution. 7 Create item code/number for particular spares and analyzer Note High content of Moisture and SO2 in the sampling system can be a significant problem in current extractive type CEMS analyzer(choke) tubing 
		Assessor: Riswanto / Mohamad Yani/ Date: 21-4-2022
		Customer Comment