DH OXIGEN DUAL PLANT

The facility has an existing 54 m^3/h oxygen generation plant, manufactured by Precision UK

* Comp Air L55-10A air compressor
* Refrigerated air dryer comp Air DC 1175-AX
* Compressed-air filtration system with four cartridge filters
* PSA oxygen generation system.
* Oxygen outlet/piston assembly.
* Oxygen purity analyzer.
* Associated control, instrumentation, piping, valves and electrical systems.

The assessment should include, but not be limited to:

1. Inspection and testing of the Comp Air L55-10A compressor and associated components.
2. Assessment of the refrigerated air dryer, including identification of the existing leakage and required repairs.
3. Inspection of the four cartridge filters and assessment of their condition and replacement requirements.
4. Inspection and testing of the PSA oxygen generator and associated components.
5. Inspection of the oxygen generator's outlet piston assemblies, including the non-operational piston.
6. Inspection of valves, solenoid valves, pneumatic components, tubing and associated piping.
7. Inspection and testing of the electrical control panel and control system.
8. Assessment of the oxygen purity analyzer, which is currently out of order.
9. Inspection of pressure gauges, pressure switches, sensors, and other instrumentation.
10. Identification of any additional faults or components that may prevent safe and reliable operation.
11. Testing of the system, where technically safe and appropriate, to establish its current operating condition.
12. Submit the comprehensive report.