

PDI Report for CMPR-501 and CMPR-502

Tentative List of PDI Activities

Inspection Report for CMPR-501

General Observations

<u>Description</u>	<u>BHEL Observation</u>
<u>Compressor Type</u>	
<u>Motor Power rating (kW)</u>	
<u>Number of stages</u>	
<u>Net weight of compressor</u>	
<u>Dimension of compressor (L*W*H)</u>	
<u>Net weight of control cabinet</u>	

A1.Test conditions and observations at minimum flow rate

Description	Design	Observed	Remarks from BHEL
Gas handled			
Flow (Kg/hr)			
Suction temperature			
Suction pressure (bar g)			
Discharge temperature (without after cooler)			
Discharge temperature (with after cooler)			
Discharge pressure (bar g)			
Differential pressure			
Compression ratio			

A2.Test conditions and observations at maximum flow rate

Description	Design	Observed	Remarks from BHEL
Compressor Type			
Motor Power(kw)			
Number of stages			
Gas handled			
Flow (Kg/hr)			
Suction temperature			
Suction pressure (bar g)			
Discharge temperature (without after cooler)			

Discharge temperature (with after cooler)			
Discharge pressure (bar g)			
Differential pressure			
Compression ratio			

A3. Test conditions and observations at 50 % of flow rate range

Description	Design	Observed	Remarks from BHEL
Compressor Type			
Motor Power(kw)			
Number of stages			
Gas handled			
Flow (SCFM)			
Suction temperature			
Suction pressure (bar g)			
Discharge temperature (without after cooler)			
Discharge temperature (with after cooler)			
Discharge pressure (bar g)			
Differential pressure			
Compression ratio			

A. List of Spare parts :

No	Parts name	Quantity

B. List Documents required at the time of PDI and to be inspected

1. Compressor performance curves at three different VFD speeds/flow rates
2. Warranty certificate
3. Maintainace & Operational manual in English
4. Test certificate for MoC/Motors if applicable.

5. PLC and Circuit diagram need to be provided

Inspection Report for CMPR-502

General Observations

<u>Description</u>	<u>BHEL Observation</u>
Compressor Type	
Motor Power rating (kW)	
Number of stages	
Net weight of compressor	
Dimension of compressor (L*W*H)	
Net weight of control cabinet	

B1. Test conditions and observations at minimum flow rate

<u>Description</u>	<u>Expected Conditions at minimum flow rate</u>	<u>Observed</u>	<u>Remarks from BHEL</u>
Gas handled			
Flow (Kg/hr)			
Suction temperature			
Suction pressure (bar g)			
Discharge temperature (without after cooler)			
Discharge temperature (with after cooler)			
Discharge pressure (bar g)			
Differential pressure			
Compression ratio			

B2. Test conditions and observations at maximum flow rate

<u>Description</u>	<u>Design</u>	<u>Observed</u>	<u>Remarks from BHEL</u>
Gas handled			
Flow (kg/hr)			
Suction temperature			
Suction pressure (bar g)			
Discharge temperature (without after cooler)			
Discharge temperature (with after cooler)			

Discharge pressure (bar g)			
Differential pressure			
Compression ratio			

B3. Test conditions and observations at 50 % of flow rate range

<u>Description</u>	<u>Design</u>	<u>Observed</u>	<u>Remarks from BHEL</u>
Gas handled			
Flow (Kg/hr)			
Suction temperature			
Suction pressure (bar g)			
Discharge temperature (without after cooler)			
Discharge temperature (with after cooler)			
Discharge pressure (bar g)			
Differential pressure			
Compression ratio			

A. List of Spare parts :

No	Parts name	Quantity
1		
2		
3		
4		
5		
6		
7		

B. List Documents required and to be inspected

1. Compressor performance curves with three different VFD speed/ flow rates
2. Warranty certificate
3. Maintainace and Operational manuals for CMPR-501 and CMPR-502 in English
4. Test certificate for MoC/Motors if applicable.
5. PLC and Circuit diagram need to be provided