

General:			
TUV India Control Number:(SAP Number)	010102270423/95 (8114974478)	Branch:	Mumbai
Notification Number:	Email dated 09/04/2024	Date(s) of Inspection:	, 15/04/2024,16/04/2024
Project Name & Location:	Third party Inspection.	Inspection Location:	E-15/2, MIDC, Murbad, Dist. Thane – 421401
TUV India Client Name:	SAJJAN INDIA LIMITED	End User Name:	SAJJAN INDIA LIMITED(12882)
DEC / PMC / EPC Name:(If applicable)	-	DEC / PMC / EPC Assignment Number: <i>(If applicable)</i>	-
Vendor Name & Location:	Orbit Pumps & Systems Pvt. Ltd.	P.O. Number: <i>(Client PO on Vendor)</i>	4800000195 Dated 20/01/2024
Sub Vendor Name & Location: <i>(If applicable)</i>	-	P.O. Number: <i>(If applicable – Vendor PO on Sub Vendor)</i>	

Stages Of Inspection:		
<input type="checkbox"/> Kick Off / Pre Inspection Meeting	<input type="checkbox"/> Material Identification	<input checked="" type="checkbox"/> Interim Stages
<input checked="" type="checkbox"/> Document Review	<input type="checkbox"/> Final Inspection	<input type="checkbox"/> Re-Inspection

Item Description:						
PO Item No.	Item Code	Item Description / Identification / MTC Number	UOM	P.O. Quantity	Offered Quantity	Acceptable Quantity
1	4023935	PUMP CENTRIFUGAL HC-22 F-30 M3/H, H-25 M Tag NO : P-107-1 A/B/C/D) REBOILER CIRCULATION PUMP + MOTOR (FLP)+ THERMO-POT Q-30 m3/h, Head-25 Mtr MOC: HC-22	each	4	4	REFER CONCLUSION

Reference Documents:				
Sr. No.	Document Name	Client Document Number	Vendor Document Number	Approval Status
1	PR/MR/ARM	-	-	-
2	QAP/ITP/QCP	-	QAP	Approved
3	Drawing(s)	-	PCS: DRG. NO.: -OPS/121075 GAD: DRG NO.: -10054 REV. 01	Approved
4	Datasheet(s)	-	TD1220126-01-TD-DS-0118	Approved
5	Procedure(s)	-	-	-
6	Others(Specify)	-	-	-

Inspection Activities Carried Out:	
Stages Witnessed:	
1	Performance test witnessed for pumps with job motor observed flow rate, head, RPM, efficiency, power check against different flow rate, found within tolerance limit of material Specification requirements.
2	Performance test witnessed for pumps with job motor observed flow rate, head, RPM, efficiency, power check against different flow rate, found within tolerance limit of material Specification requirements.

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3	The vibration check during performance test, found within tolerance limit of material Specification requirements.
4	The noise check during performance test, found within tolerance limit of material Specification requirements
5	The temperature check during performance test, on bearing , found within tolerance limit of material Specification requirements.
6	Visual strip test performed fo pump after performance test no wear and tear or no rubbing mark observed on casing and impeller.
7	All measuring instruments / equipment were verified for continued suitability for intended use, proper identification, calibration status, traceability to national standards & found acceptable.

Documents Reviewed:

1	All test report check and verified for witnessed activity and found within tolerance limit of material Specification requirements.
2	Reviewed Motor routine test certificate, found within tolerance limit of material Specification requirements.
3	Reviewed visual & final dimension report as declared by vendor, found within tolerance limit of material Specification requirements.
4	Reviewed final paint report as declared by vendor, found within tolerance limit of material Specification requirements.

Details of Equipment(s) / Instrument(s) used for measuring / testing During Inspection: (Refer Notes)

Sr. No.	Detail of Equipment(s)/ Instrument(s)	Range	ID	Validity till Date	Calibration Certificate Number	NABL / OTHER CERT. BODIES / NABL Traceability	NON-NABL
						Please tick or Write Yes (whichever is applicable)	
						See Note 1 & 2	See Note 3
1	Digital Flowmeter	0-100m3/hr	Sr. No. 0120141	04.01.2025	24/058 DTD. 05.01.2024	Yes	-
2	Pressure Gauge	0-10bar	I.D.NO. 200223800068	04.01.2025	24/056 DTD. 05.01.2024	Yes	-
3	Sound Level Meter	30-130db	I.D.NO. 2022030009478	04.01.2025	24/053 DTD. 05.01.2024	Yes	-
4	Digital Tachometer	60-100000 RPM	10-654	04.01.2025	24/052 DTD. 05.01.2024	Yes	-
5	Infrared Temperature Gun	Minus 18 to 300	13/16382	04.01.2025	24/051 DTD. 05.01.2024	Yes	-
6	Clampmeter		CM-01	04.01.2025	24/030 DTD. 05.01.2024	Yes	-
7	Digital Vibration Meter	0-200mm/s	S.026971	04.01.2025	24/027 DTD. 05.01.2024	Yes	-

Notes:
 1) Other Certifying bodies are: NPL-India, CIPM (International Committee for Weights & Measures), ILAC & APLAC MRA Signatories.
 2) Visiting inspector to ensure continued suitability for intended use, periodic maintenance, proper identification and valid calibration records and traceability to known National / International standards of the measuring instrument(s) / testing equipment(s).
 3) Non NABL: If the calibration certificate(s) for the measuring instrument(s) / equipment(s) used during inspection do not have traceability to NABL / Other certifying bodies, then the scope of review is limited only to technical content in the calibration certificate.
 4) In lieu of table above inspectors may collect master list from manufacturer / vendor/ sub vendor with all above details clearly highlighting the details of instrument(s) / equipment(s) used during inspection.

Conclusion :

Offered Stages Acceptable
 IRN can not be issued for all PO items because it is not applicable.

Pending activities from this Visit:

1. NIL

Identification of inspected Item(s):

All accepted pumps hard stamped as " " near manufacturer's TAG NO. marking..

Areas of Concerns:

1. NIL

Non Conformities raised / Discrepancies observed during inspection (If Any, Mention TUV India NCR Number):

None


Attachments:

<input checked="" type="checkbox"/> Inspection records – Total Page Nos. YES	<input type="checkbox"/> Master List of calibrated Instruments / equipment :
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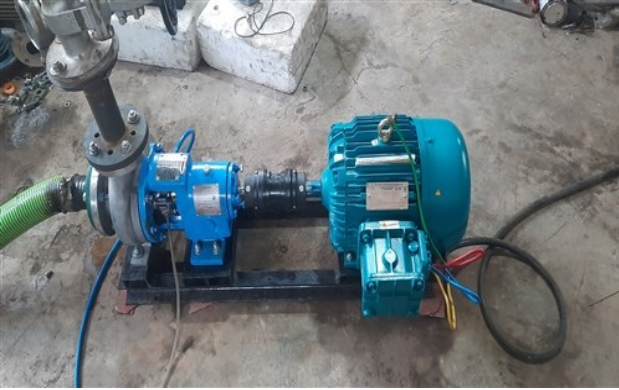





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<input checked="" type="checkbox"/> Inspection Photos - Refer Page Nos.	4 to 6	<input type="checkbox"/> Others (Specify) :
Authorised Signature:		
TUV India representative:		Vendor / Sub Vendor Representative (If Applicable):
		
Name: Pankaj Patil	Date: 16/04/2024	Name:
Distribution List: <input checked="" type="checkbox"/> TUVI Client / End User <input checked="" type="checkbox"/> TUVI Executing Branch / TUV Originating Branch <input type="checkbox"/> Vendor / Sub Vendor		
Revision Number (If Applicable) [0] : -		
This Document Supersedes IVR No. :-		

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Inspection Pictures :	
TEST BED PUMP SETUP	SHUT OFF READING
	
TEMPERATURE CHECK	RPM CHECK
	
RATED FLOW READING	VIBARTION AND NOISE CHECK
	

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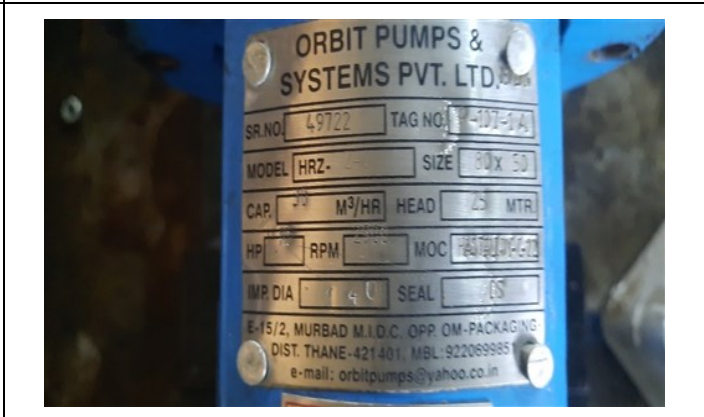
Inspection Pictures :

STRIP TEST	TAG IDENTIFICATION ANFD TUV HARD PUNCH STAMPING
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TAG IDENTIFICATION ANFD TUV HARD PUNCH STAMPING

TAG IDENTIFICATION ANFD TUV HARD PUNCH STAMPING



STRIP TEST

STRIP TEST



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Inspection Pictures :

TAG IDENTIFICATION ANFD TUV HARD PUNCH STAMPING



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