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## QUALITY ASSURANCE REQUIREMENTS

#### QA PROGRAM REQUIREMENTS: COMMERCIAL

No.	Activity description	cust	CPC	PROCEDURE/REMARK	Rev
1	Documents / Procedures				
	- Quality Assurance Requirements	1			
	- Pump and Motor Outline	1			
	- Sectional drawing	1			
	- Seal Sectional	1			
	- Seal Flush piping	1		BM Pages	
	- Motor outline	1			
	- Hydrostatic test procedure	Α		MAT D-1	
	Airleak test procedure		IR	MAT D-2 [B]	
	<ul> <li>Painting procedure</li> </ul>	1		MAT E-1 [W] or MAT E-1 [X]	
	- Foundry Weld Procedure [repairs]	Α		MAT B-1	
	CPC attachment weld Procedure	Α		MAT A-1	
2	Casing				
	- Incoming inspection		IR		
	- Weld repair procedure [If required]				
A:	Approval by customer	C1:	Certified document by CPC		
R:	Internal record only	C2:	Certified document by Sub-Vendor		
S:	Review by customer at CPC Plant	<b>W</b> :	Witness by customer / Hold point		
<b>)</b> :	Observed by customer	l:	Information only		
/:	-		om Inspection or Review		
		H:	Approval prior to ship		
renare	ed by: T. Vrooman				. Dun

## QUALITY ASSURANCE REQUIREMENTS

#### QA PROGRAM REQUIREMENTS: COMMERCIAL

No.	Activity description	cust	CPC	PROCEDURE/REMARK	Rev.
3	Bearing Housing				
4	Cover plate				
	- Incoming inspection		IR		
5	Impeller casting:				
-	- Incoming inspection		IR		
	- Final balance		V	4W/N	
6	Pump Shoft				
6	Pump Shaft     Incoming inspection		IR		
7	Wear Rings				
	- Incoming inspection		IR		
8	Coupling				
	<ul> <li>Incoming inspection</li> </ul>		IR		
	Dynamic Balance		V		
9	Coupling Guard				
	The coupling guard shall be non-sparking & OSHA compliant.		v		
10	Seal:				
			v		
11	Seal Flush Plan:				
	[Optional]				
A:	Approval by customer	C1.	Cortifi	ad document by CPC	
A: IR:	Approval by customer Internal record only		Certified document by CPC Certified document by Sub-Vendor		
S:	Review by customer at CPC Plant	02. W:	Witness by customer / Hold point		
0:	Observed by customer	1:	Information only		
V:	Verify	R:		om Inspection or Review	
		H:		val prior to ship	
Prepare	ed by: T. Vrooman				Pun

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## QUALITY ASSURANCE REQUIREMENTS

#### **QA PROGRAM REQUIREMENTS: COMMERCIAL**

No.	Activity description	cust.	CPC	PROCEDURE/REMARK	Rev.
12	Baseplate				
	Standard steel baseplate		V		
	Baseplate Paint Procedure		V	MAT E-1 [W]	
13	Driver:				
	- Incoming inspection		IR		
	- Dimensional check / report		IR		
	The motor shall accommodate the specifc pump design requirements.		v		
14	Hydrostatic Test	C1	V	MAT D-1	
15	Pump Assembly				
	Record final assembly running clearances	C1	V		
18	Air Leak Test		IR	MAT D-2 [B]	
19	Prep for Shipment		IR		
20	Final Inspection:	C1	IR	QAF-016	
\:	Approval by customer	<u> </u>	Certif	ied document by CPC	
κ. R:	Internal record only		Certified document by CPC Certified document by Sub-Vendor		
5: 	Review by customer at CPC Plant	W:	Witness by customer / Hold point		
- ):	Observed by customer	l:	Information only		
':	Verify	 R:	Random Inspection or Review		
•	,	H:	Approval prior to ship		
repare	ed by: T. Vrooman				Pun

pc	III REVISIONS	Dehloran Project
Rev.	Description	Date
		<u> </u>
A:	Approval by customer	<u> </u>
	Internal record only	
	Review by customer at CPC Plant	

O: Observed by customer

CPC /// Pumps