

# Centrifugal Pump Pre-Commissioning

Project Name: <b>Checksheets.com</b>	Project Code: <b>CHKSHEETS1</b>
Equipment Tag: -----	System: -----
Discipline: <b>Mechanical</b>	Location: -----
Contractor: -----	Date: <b>22/01/2026</b>

## 1. Documentation and Prerequisites

Verify required documentation and prerequisites are complete

#	Activity / Check Item	Response		
1	Confirm Subsystem Mechanical Completion Certificate issued	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
2	Vendor test documentation complete and available	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
3	Nameplate details verified against datasheet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail

## 2. Preservation and Cleanliness

Remove preservation and ensure equipment cleanliness

#	Activity / Check Item	Response		
4	Confirm preservation removed from pump internals and externals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
5	Pump skid cleaned of all contaminants and trade debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
6	Visually inspect pump for external damage including paintwork	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail

## 3. Piping and Auxiliaries

Verify piping connections and auxiliary systems

#	Activity / Check Item	Response		
7	All pump casing vent and drain lines installed correctly and valves operational	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
8	Commissioning strainers/filters fitted and recorded in temporaries register	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
9	Record commissioning strainer mesh size <i>Record in microns</i>			
10	All associated piping aligned correctly and mechanical completion accepted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail

## 4. Lubrication System

Inspect and prepare lubrication systems

#	Activity / Check Item	Response		
11	Lubrication system is leak free and tank/housing vents installed with correct filter mesh	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
12	Flush and fill lubrication system in accordance with manufacturer's instructions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail

13	Record lubricant grade/type used			
14	Record quantity of lubricant used			
15	All level oilers are installed and operational	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail

## 5. Cooling System

Verify cooling system installation and operation

#	Activity / Check Item	Response		
16	Flush and fill cooling system in accordance with manufacturer's instructions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
17	Complete checks for cooling system heat exchanger if fitted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail

## 6. Alignment and Mechanical Checks

Perform alignment verification and mechanical integrity checks

#	Activity / Check Item	Response		
18	Pump and driver sat solidly on all mounting feet (soft foot check completed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
19	Holding down bolts torqued to correct specification	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
20	Check alignments and record (attach alignment checksheet) <i>Ref. Alignment checksheet required</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
21	Confirm pump rotates freely (ensure bearings lubricated prior to rotation)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail

## 7. Coupling and Guards

Install and verify coupling and safety systems

#	Activity / Check Item	Response		
22	Reassemble coupling and associated safety guards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
23	Record coupling type			
24	Record coupling serial number			
25	Record coupling manufacturer			
26	All guards fitted correctly and accessible	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail

## 8. Sealing and Gearbox

Verify sealing systems and gearbox completion

#	Activity / Check Item	Response		
27	All seal ancillaries fitted correctly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
28	Seal oil system complete as per vendor data (PD pumps)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
29	Confirm gearbox check complete (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail

## 9. Final Verification

Complete final checks and preparations

#	Activity / Check Item	Response		
30	Earth boss/strap fitted correctly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
31	All valves and gauges accessible, visible and operable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail

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**Prepared By:**

**Reviewed By:**

**Approved By:**

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Date: \_\_\_\_\_ Sign: \_\_\_\_\_

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