

# PUMP FIELD SERVICE

Your critical pumps require experienced installation, alignment, and start-up support.

Our factory trained and experienced pump professionals are available 24/7 to:



- **Assemble, install and start-up pumping equipment**
- **Troubleshoot problem applications and systems**
- **Supervise weld repair and machining of barrels**
- **Provide complete turn-key service**
- **Provide training for site personnel**



**ProPump Services** has experienced pump engineers to support our service people – on all major OEM pump brands.

We facilitate rapid repairs and parts supply for all OEM's - the job is not complete until you are up and running!

## MAJOR BRANDS SERVICED

- **Allis – Chalmers**
- **Byron Jackson**
- **De Laval**
- **Ingersoll-Rand**
- **Pacific**
- **Sulzer – Bingham**
- **United**
- **Worthington**
- **Others**

FINAL ASSEMBLY CHECKLIST																																										
Job Number:	FS 08-001	Customer:	AEP / SPORN																																							
Serial Number:	B483127	Customer Tag Number:	Unit 1 North																																							
Manufacturer:	Ingersoll Rand	Service Center:	Boiler Feed																																							
Pump Size / Type:	5 CHTA 11 Stage																																									
07/08/08: started at 6:30am																																										
I attended the morning meeting with Ken... was reviewed, the rotor assembly and... warehouse to the maintenance shop for... and observed that the welding would be... shift. Jose Perez will set up the boring... stage area.																																										
<b>Parts Inspected</b>																																										
<ul style="list-style-type: none"> <li>&gt; Work Order 41121067 Roto</li> <li>&gt; Item 008 Pack</li> <li>&gt; Item 127A Shafl</li> <li>&gt; Item 127B Shafl</li> <li>&gt; Item 061 Bala</li> <li>&gt; Item 028 Thru</li> <li>&gt; Item 147 Spr</li> <li>&gt; Item 128 Shul</li> </ul>																																										
The parts were inspected and fitted to the shaft (Figure 1). The oil pump was disassembled and inspected (See inspection report). The oil pump will be rebuilt with customers supplied parts (See parts list). The oil tank and curio oil filter were cleaned and will be reused. The rotor assembly lift and total float were checked and found to be correct. The balance sleeve did not arrive with the parts supplied by CMS. 8 hours worked.																																										
<table border="1"> <thead> <tr> <th>Operation</th> <th>Employee</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td colspan="3"><b>ROTATING ELEMENT</b></td> </tr> <tr> <td>1 Shaft runout tabulated</td> <td>CMS</td> <td></td> </tr> <tr> <td>2 Impeller wear rings secured (if applicable)</td> <td>CMS</td> <td></td> </tr> <tr> <td>3 Impeller/shaft interferences and/or clearances checked and tabulated</td> <td>CMS</td> <td></td> </tr> <tr> <td>4 All running clearances checked and tabulated</td> <td>CMS</td> <td></td> </tr> <tr> <td>5 Individual Impellers Balanced</td> <td>CMS</td> <td></td> </tr> <tr> <td>6 Element tabulations completed (sizes and runouts)</td> <td>CMS</td> <td></td> </tr> <tr> <td>7 Element balanced and reported</td> <td>CMS</td> <td></td> </tr> <tr> <td>8 Thrust disc runout tabulated if required</td> <td>CMS</td> <td></td> </tr> <tr> <td>9 Element cleaned and coated with rust inhibitor (if applicable)</td> <td>CMS</td> <td></td> </tr> <tr> <td colspan="3"><b>- PUMP</b></td> </tr> <tr> <td>0 Barrel cleaned &amp; preserved; check crossovers &amp; balance line for blockage</td> <td>W KOPICKO</td> <td>07/17/08</td> </tr> </tbody> </table>		Operation	Employee	Date	<b>ROTATING ELEMENT</b>			1 Shaft runout tabulated	CMS		2 Impeller wear rings secured (if applicable)	CMS		3 Impeller/shaft interferences and/or clearances checked and tabulated	CMS		4 All running clearances checked and tabulated	CMS		5 Individual Impellers Balanced	CMS		6 Element tabulations completed (sizes and runouts)	CMS		7 Element balanced and reported	CMS		8 Thrust disc runout tabulated if required	CMS		9 Element cleaned and coated with rust inhibitor (if applicable)	CMS		<b>- PUMP</b>			0 Barrel cleaned & preserved; check crossovers & balance line for blockage	W KOPICKO	07/17/08		
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FOSSIL AND NUCLEAR POWER / REFINERY / PIPELINE / INDUSTRIAL



*Laser Alignment*



*Feed Pump Barrel Weld Repair*



*Barrel Field Machining*



*Pipeline Pumps*



*Rotor Installation*

**Call us for your  
pump service  
needs...**



*Installing Repaired  
Circulating Water Pump*

