### Installation and Start-Up Services

**Customer Name and Address:**  
**Model #:**  
**Serial #:**  
**Ratio/RPM:**  
**Customer Tank #:**  
**Customer Asset #:**  
**Service Date:**  
**Contact:**  
**Phone #:**  
**Sales Rep:**  
**Sales Rep Ph.:**  
**Sales Order #:**  
**Project #::**  

<table>
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<tr>
<th><strong>Ratio/RPM:</strong></th>
<th><strong>Phone #:</strong></th>
<th><strong>Sales Rep Ph.:</strong></th>
<th><strong>Sales Order #:</strong></th>
<th><strong>Project #::</strong></th>
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#### 1. Motor

- **Manufacturer:**  
- **ID Number:**  
- **Serial Number:**  
- **Rotation Correct?**  
- **Clean Exterior:**  
- **Properly Wired?**  
- **Nameplate Amps:**  
- **Nameplate Volts:**  
- **Power Rating:**  
- **Frame:**  
- **RPM:**  
- **Noise Level:**  

**Comments:**  

#### 2. Motor Coupling

- **Coupling Type:**  
- **Alignment?**  
- **Lubrication?**  

**Comments:**  

#### 3. Motor Bracket

- **Properly Secured?**  
- **Properly Supported?**  
- **Hardware Size:**  
- **Hardware Torque Value:**  

**Comments:**  

#### 4. Gear Reducer Mounting

- **Location on Tank:**  
- **Headroom:**  
- **Degrees (off Level):**  
- **Hardware Size:**  
- **Hardware Torque Value:**  

**Comments:**
5. **Gear Reducer Lubrication:**

- **Oil Type:**
- **Oil Level OK?:**
- **Oil Condition:** (Clean) (Dirty) (Contaminated) (Foamy)
- **Oper. Temp.:** (°C) (°F)
- **Bearings Greased?** (Y) (N)
- **Ambient Temp.:** (°C) (°F)

*Comments:*

6. **Upper Bearing Member (Series 80 or 800 only):**

- **Lubrication OK?:**
- **Hardware Torque Value:** (Nm) (ft-lbs.)
- **Hardware Size:**

*Comments:*

7. **Lower Bearing Member:**

- **Lubrication OK?:**
- **Hardware Size:**
- **Hardware Torque Value:** (Nm) (ft-lbs.)

*Comments:*

8. **Upper Shaft:**

- **Runout (TIR) Coupling:**
- **Maximum TIR Allowed:**
- **Coupling Hardware Size:**
- **Hardware Torque Value:** (Nm) (ft-lbs.)
- **Thrust Hardware Size:**
- **Hardware Torque Value:** (Nm) (ft-lbs.)

*Comments:*

9. **Quill Coupling (Series 80 or 800 only):**

- **Lubrication OK?:**
- **Set Screws Torqued?:**

*Comments:*

10. **Stuffing Box (when furnished):**

- **Packing Properly Installed?** (Y) (N)
- **Packing Lubricated?** (Y) (N)
- **Seating Procedure Performed?** (Y) (N)
- **Packing Comb.:** (40) (50) (60)

*Comments:*

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**Note:** The document contains placeholders for various measurements and conditions, which need to be filled in with actual values or conditions.
11. Mechanical Seal (when furnished):

Seal: Style/Type: _______________ Seal Size: _______________

Lubricator: (Recirculating) (Dead End) ________

Lubricant Pressure: ________

Lubricant Lines Properly Connected? (Y) (N) ________

Cooling Lines Properly Connected? (Y) (N) ________

Setting Tabs Removed? (Y) (N) ________

Comments: ________________________________________________

12. Impeller Shaft:

Coupling Hardware Size: _______________

Runout (TIR) at Coupling(s): _______________

Runout (TIR) at Bottom: _______________

Rotation: Clockwise Counter Clockwise

Comments: ________________________________________________

13. Impeller(s):

Outboard: Type/Diameter: _______________

Hardware Size: _______________

Off-Bottom: (As Built): _______________

Welded Hubs/Blades? _______________

Hardware Torque Value: ________ (Nm) (ft-lbs.)

(per Drawing):

Middle: Type/Diameter: _______________

Hardware Size: _______________

Off-Bottom: (As Built): _______________

Welded Hubs/Blades? _______________

Hardware Torque Value: ________ (Nm) (ft-lbs.)

(per Drawing):

Inboard: Type/Diameter: _______________

Hardware Size: _______________

Off-Bottom: (As Built): _______________

Welded Hubs/Blades? _______________

Hardware Torque Value: ________ (Nm) (ft-lbs.)

(per Drawing):

Comments: ________________________________________________

14. Steady Bearing (when furnished):

Alignment Performed by: _______________

Perpendicularity to Shaft ± 1/4° Hardware Torque Value: ________ (Nm) (ft-lbs.)

Parallelism to Mixer ± 1/4° Tripod/Tank Mounting (Welded) (Bolted)

Alignment w/n Specs? (Y) (N) ________

Comments: ________________________________________________
15. Guards and Covers:
   In Place/Secured: (Y) (N)    Warning Labels: (Y) (N)

   Comments: ________________________________________________________________
   _______________________________________________________________________

16. Sheaves and Belts (when furnished):
   Tension OK? (Y) (N)    Alignment OK? (Y) (N)

   Comments: ________________________________________________________________
   _______________________________________________________________________

17. Temperature Readings (°C) (°F):
   Ambient: ___________ Low Speed (Outboard): ___________ High Speed (Outboard): ___________
   Motor (Outboard): ___________ Low Speed (Inboard): ___________ High Speed (Inboard): ___________
   Motor (Inboard): ___________ Lower Brng Member: ___________ Mechanical Seal: ___________
   Upper Bearing Member: ___________
   Conditioning Monitoring carried out: (Y) (N)    Date: __________________________

   Comments: ________________________________________________________________
   _______________________________________________________________________

18. Comments/Recommendations:

   _______________________________________________________________________
   _______________________________________________________________________
   _______________________________________________________________________
   _______________________________________________________________________
   _______________________________________________________________________
   _______________________________________________________________________

Service Technician
Authorized Customer

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