



**Installation and Start-Up Services**

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

**1. Motor:**

Manufacturer:	_____	Nameplate Amps:	_____
ID Number:	_____	Nameplate Volts:	_____
Serial Number:	_____	Power Rating:	_____ (kW) (HP)
Rotation Correct?	(Y) (N) (Clockwise) (CCW)	Frame:	_____
Clean Exterior:	_____	RPM:	_____
Properly Wired?	_____	Noise Level:	_____ dB(A) @ 1m (3 ft.)

Comments: \_\_\_\_\_  
\_\_\_\_\_

**2. Motor Coupling:**

Coupling Type:	_____	Coupling Size:	_____
Alignment?	_____	Lubrication?	_____

Comments: \_\_\_\_\_  
\_\_\_\_\_

**3. Motor Bracket:**

Properly Secured?	_____	Hardware Size:	_____
Properly Supported?	_____	Hardware Torque Value:	_____ (Nm) (ft-lbs.)

Comments: \_\_\_\_\_  
\_\_\_\_\_

**4. Gear Reducer Mounting:**

Location on Tank:	(Centered) (Offset)	(Vertical) (Angled)	
Headroom:	_____	Hardware Size:	_____
Degrees (off Level):	_____ by _____	Hardware Torque Value:	_____ (Nm) (ft-lbs.)

Comments: \_\_\_\_\_  
\_\_\_\_\_



**5. Gear Reducer Lubrication:**

Oil Type: \_\_\_\_\_  
Oil Condition: (Clean) (Dirty) (Contaminated) (Foamy)  
Bearings Greased? (Y) (N) \_\_\_\_\_

Oil Level OK? \_\_\_\_\_  
Oper. Temp: \_\_\_\_\_ (°C) (°F)  
Ambient Temp: \_\_\_\_\_ (°C) (°F)

Comments: \_\_\_\_\_  
\_\_\_\_\_

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

Lubrication OK? \_\_\_\_\_  
Hardware Size: \_\_\_\_\_

Hardware Torque Value: \_\_\_\_\_ (Nm) (ft-lbs.)

Comments: \_\_\_\_\_  
\_\_\_\_\_

**7. Lower Bearing Member:**

Lubrication OK? \_\_\_\_\_  
Hardware Size: \_\_\_\_\_

Hardware Torque Value: \_\_\_\_\_ (Nm) (ft-lbs.)

Comments: \_\_\_\_\_  
\_\_\_\_\_

**8. Upper Shaft:**

Runout (TIR) Coupling: \_\_\_\_\_  
Coupling Hardware Size: \_\_\_\_\_  
Thrust Hardware Size: \_\_\_\_\_

Maximum TIR Allowed: \_\_\_\_\_  
Hardware Torque Value: \_\_\_\_\_ (Nm) (ft-lbs.)  
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) \_\_\_\_\_  
Seating Procedure Performed? (Y) (N) \_\_\_\_\_

Packing Lubricated? (Y) (N) \_\_\_\_\_  
Packing Comb. (40) (50) (60) \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_

**11. Mechanical Seal (when furnished):**

Seal: Style/Type: \_\_\_\_\_  
Lubricator: (Recirculating) (Dead End) \_\_\_\_\_  
Lubricant Pressure: \_\_\_\_\_  
Lubricant Lines Properly Connected? (Y) (N) \_\_\_\_\_  
Cooling Lines Properly Connected? (Y) (N) \_\_\_\_\_  
Setting Tabs Removed? (Y) (N) \_\_\_\_\_

Seal Size: \_\_\_\_\_  
Lubricant Type: \_\_\_\_\_  
Max. Vessel Pressure: \_\_\_\_\_  
Lubricant System Purged (Y) (N) \_\_\_\_\_  
Purge Port Open? (Y) (N) \_\_\_\_\_

Comments: \_\_\_\_\_

**12. Impeller Shaft:**

Coupling Hardware Size: \_\_\_\_\_  
Runout (TIR) at Coupling(s): \_\_\_\_\_  
Runout (TIR) at Bottom: \_\_\_\_\_  
Rotation: Clockwise Counter Clockwise

Hardware Torque Value: \_\_\_\_\_ (Nm) (ft-lbs.)  
Maximum TIR Allowed: \_\_\_\_\_  
Maximum TIR Allowed: \_\_\_\_\_

Comments: \_\_\_\_\_

**13. Impeller(s):**

Outboard: Type/Diameter: \_\_\_\_\_  
Hardware Size: \_\_\_\_\_  
Off-Bottom: (As Built): \_\_\_\_\_  
  
Middle: Type/Diameter: \_\_\_\_\_  
Hardware Size: \_\_\_\_\_  
Off-Bottom: (As Built): \_\_\_\_\_  
  
Inboard: Type/Diameter: \_\_\_\_\_  
Hardware Size: \_\_\_\_\_  
Off-Bottom: (As Built): \_\_\_\_\_

Welded Hubs/Blades? \_\_\_\_\_  
Hardware Torque Value: \_\_\_\_\_ (Nm) (ft-lbs.)  
(per Drawing): \_\_\_\_\_  
  
Welded Hubs/Blades? \_\_\_\_\_  
Hardware Torque Value: \_\_\_\_\_ (Nm) (ft-lbs.)  
(per Drawing): \_\_\_\_\_  
  
Welded Hubs/Blades? \_\_\_\_\_  
Hardware Torque Value: \_\_\_\_\_ (Nm) (ft-lbs.)  
(per Drawing): \_\_\_\_\_

Comments: \_\_\_\_\_

**14. Steady Bearing (when furnished):**

Alignment Performed by: \_\_\_\_\_  
Perpendicularity to Shaft \_\_\_\_\_ ( $\pm 1/4^\circ$ )  
Parallelism to Mixer \_\_\_\_\_ ( $\pm 1/4^\circ$ )  
Alignment w/n Specs? (Y) (N) \_\_\_\_\_

Hardware Size: \_\_\_\_\_  
Hardware Torque Value: \_\_\_\_\_ (Nm) (ft-lbs.)  
Tripod/Tank Mounting (Welded) (Bolted)

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

**APAC - SPX FLOW**  
2F, Treasury Building  
1568 Hua Shan Road  
Shanghai 20000523  
Peoples Republic of China  
+86 21 2208 5888

**EMEA - SPX FLOW**  
1st Floor Ocean House  
Towers Business Park  
Didsbury, Manchester, M20 2LY  
+44 (0) 161 2491170

**SPX FLOW**  
135 Mt. Read Blvd.  
Rochester, NY 14611  
www.spxflow.com



**SPX FLOW, LLC - LIGHTNIN & PLENTY MIXERS**

135 Mt. Read Blvd., Rochester, NY 14611

P: (888) 649-2378 (MIX-BEST), (US and Canada) or +1 (585) 436-5550

E: lightnin@spxflow.com ▪ www.spxflow.com/lightninre

SPX FLOW, Inc. reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing. Please contact your local sales representative for product availability in your region. For more information visit www.spxflow.com. The green "➤" and "✕" are trademarks of SPX FLOW, Inc.