Troubleshooting Guide

SYMPTOM	POSSIBLE CAUSES	POSSIBLE SOLUTIONS
Noises and vibration	Mounted on poor foundation	Improve installation rigidity. Tighten foot bolts.
	Misaligned couplings	Recheck Alignment
	Loose or broken parts	Check for breaks or cracks. Tighten all bolts.
	Excessively worn gears	Check shimming for proper contact. Check possible machine overload. Keep oil clean. Replace gears if necessary.
	Worn or faulty bearings	Check alignment, adjustment and possible overload. Clean and flush reducer, replace worn bearings and add new lubricant as required.
	Low liquid level or excessive forces in tank	Turn mixer off and return tank level to 8" above impeller before resuming operation.
	Excessive backlash or shaft end play	Check for worn bearings, gears and proper shimming.
	Loose, Bent, or missing impeller blade	If loose, replace and tighten all bolts. If blade is missing or bent, replace blade with proper size and type.
	Magnets over torqued	Reduce viscosity or specific gravity of product
Overheating	Lack of, or improper, lubricant	Keep oil at proper level and use recommended types.
	Obstructed air flow	Check air supply for proper motor fan circulation. Avoid high surrounding ambient temperatures.
	Unit operating over thermal rating	Check rating with actual load.
Lubricant Leakage	Loose covers or end plates	Check for torn gaskets. Tighten all bolts
	Worn or damaged oil seals	Replace with new seals. Avoid inserting seal over sharp edges.
	Foaming oil	Replace oil with proper type (non-foaming)
Mixer impeller operating in wrong direction	Motor is wired incorrectly	Switch any two leads in motor junction box (3 phase motors only)

NOTE: If problems persist, notify your local representative or the factory immediately for assistance.