



*Mixing Solutions  
As Unique As Your Needs*

# TROUBLE SHOOTING CHART

TROUBLE	PROBABLE CAUSE	REMEDY
Noises and Vibration	<ul style="list-style-type: none"> <li>Mounted on poor foundation</li> <li>Misaligned couplings</li> <li>Loose or broken parts</li> <li>Excessively worn gears</li> <li>Worn or faulty bearings</li> <li>Excessive backlash or shaft end play</li> </ul>	<ul style="list-style-type: none"> <li>Improve installation rigidity. Tighten foot bolts.</li> <li>Recheck alignment.</li> <li>Check for break or cracks. Tighten all bolts</li> <li>Check shimming for proper contact.</li> <li>Check possible overload. Keep oil clean.</li> <li>Check alignment, adjustment and possible overload. Clean and flush reducer, replace worn bearings and add new lubricant as required.</li> <li>Check for worn bearings, gears and proper shimming.</li> </ul>
Overheating	<ul style="list-style-type: none"> <li>Lack of, or improper lubricant</li> <li>Excessive churning of oil in operation</li> <li>Obstructed air flow</li> <li>Too little shaft end play</li> <li>New unit or gearing</li> <li>Operation in direct summer sun</li> </ul>	<ul style="list-style-type: none"> <li>Keep oil at proper level and use recommended types. Change oil periodically.</li> <li>Drain excessive oil to proper level.</li> <li>Check air supply for proper fan circulation. Avoid high surrounding ambient temperatures.</li> <li>Check bearing adjustment. Shim to proper recommended fit.</li> <li>Unit will start cooling down as worm and gear run in.</li> <li>Shade unit, or paint with reflective paint.</li> </ul>
Oil Leakage	<ul style="list-style-type: none"> <li>Loose covers or end plates</li> <li>Worn or damaged oil seals</li> <li>Too much oil</li> <li>Improper venting</li> </ul>	<ul style="list-style-type: none"> <li>Check for torn gaskets. Tighten all bolts.</li> <li>Replace with new seals. Avoid inserting seal over sharp edges.</li> <li>Check oil level. Drain to proper capacity.</li> <li>Free clogged breather.</li> </ul>

**REPAIR AND REPLACE PARTS**

When order parts, please give the Contract number, Serial number, and agitator Model number shown on the ProQuip agitator nameplate, together with the reference assembly drawing number, part number, and name of each part required. Please give complete shipping instructions.

When returning parts to the factory, please tag each part with all information necessary for identification.

Your ProQuip representative is always available to assist in your maintenance problems. Please contact either the factory or the sales office nearest you.

**GUARANTEE**

*ProQuip, Inc. accepts full responsibility for furnishing suitable equipment which shall be fit for the purpose which it is required, and for its successful operation under the conditions for which it was specified*

**ProQuip, Inc.**  
**Designers and Manufacturers of**  
**Agitation Equipment**  
 850 East Highland Road  
 Macedonia, Ohio 44056-2190 USA  
 330-468-1850 • (fax) 330-467-3724  
[www.proquipinc.com](http://www.proquipinc.com)  
[sales@proquipinc.com](mailto:sales@proquipinc.com)