

Root Causes	Symptoms	Surface Vortex and air/ atmosphere entrainment	Incomplete mixing – non homogeneous mixture	Excessive Vibration	Motor Overheat and kicking out	Excessive Wear	Excessive Power Usage	Excessive Bearing Failures	Excessive Mechanical Seal Failure at the tank
Improper material design						<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Alignment to close to the side of the vessel			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Agitator too high in the vessel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
Agitator too low in the vessel			<input type="checkbox"/>			<input type="checkbox"/>			
Product temperature is too high	<input type="checkbox"/>							<input type="checkbox"/>	
Product temperature is too low			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
Rotating element is out of balance			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Speed too high	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Speed too low			<input type="checkbox"/>						
Improper Bearing installation				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Rotating in wrong direction			<input type="checkbox"/>		<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
Loss wiring					<input type="checkbox"/>		<input type="checkbox"/>		
Improper lubrication				<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
Product specific gravity is not correct	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		
Needs cleaning					<input type="checkbox"/>				<input type="checkbox"/>
Improper shaft and drive alignment				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Incorrect shaft			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
Abrasive product						<input type="checkbox"/>			