

Measurement Failure Mode	Rod Drop (MX2034 Transmitter, MX8030 Probe, MX8031 Cable)	XY Rod Position (MX2034 Transmitter, MX8030 Probe, MX8031 Cable)	Impact / Crosshead Acceleration (IT6810 Impact Transmitter)	Crankcase Velocity (ST5484E Velocity Transmitter)	Temperature: Suction Gas (DATAWATCH IX)	Temperature: Discharge Gas (DATAWATCH IX)	Temperature: Main Bearing (DATAWATCH IX)	Temperature: Valve (DATAWATCH IX)	Temperature: Crosshead Shoe (DATAWATCH IX)	Temperature: Packing (DATAWATCH IX)
Piston Rider Band Wear	X	X								
Piston Rod Bow		X								
Crosshead Shoe Vibration			X							
Piston Rod Nut Looseness		X	X							
Connecting Rod Looseness			X							
Loose Crosshead Guide Shims			X						X	
Main Bearing Failure							X			
Liquid in Cylinder			X	X						
Leaking Piston Rings						X				
Leaking Packing										X
Valve Leakage					X	X		X		
Overloading			X							