

Mechanical Equipment Reliability Checklist

Equipment Description			
Asset Number			
Date:		Name	
Reliability Observations			
The following observation checklist is provided to assist in identifying equipment reliability improvements at your site. When observing an asset look at its function, its location and operation and identify all issues that prevent it running trouble free its entire life.			
Function			
Location			
Operation	Criteria	Your Observation	Suggested Action
➤ Look	Are contents escaping?		
➤ Listen	Odd noises		
➤ Touch (safely)	Odd Vibration, Temp		
➤ Smell	Odd Odours		
Driver	Observation		
Base condition	Robust, secure, corrosion free		
Fastener	Tight, Secure in base		
Vibration	No unusual vibration		
Temperature	No unusual temperature		
Lubrication lines (as applicable)	Connected, leak free		
Cleanliness	No build-up		
Noise	No unusual sound		
Coupling (if visible)	Guard in safe condition		
	No coupling damage		
Driven			
Base condition	Robust, secure, corrosion free		
Fastener	Tight, Secure in base		
Vibration	No unusual vibration		
Temperature	No unusual temperature		
Lubrication lines (as applicable)	Connected, leak free, brittle free		
Oil levels	At correct level		
Breathers	Clear and operational		
Hose condition	Damage free		
Belt condition	Running true; thickness		
Pulleys	Aligned, damage free		
Cleanliness	No build-up		
Piping/Valves			
Secured	Pipe/valve supported		
Integrity	Process contained		
Other			
Personal Actions to Do	Task	Due Date	