

E1 Motors	Maintenance Task	Maintenance Frequency			
		Daily	Weekly	Monthly	Annually
Motor Use/sequencing	Prior to commencing maintenance, test run check for correct operation and excessive noise, heat and vibration. Dust off if necessary. Confirm operation of all emergency stops & trips. Turn off/sequence unnecessary motors.	X			
Overall Visual Inspection	Complete overall visual inspection to be sure all equipment is operating and safety systems are in place.	X			
Motor Condition	Check the condition of the motor through temperature or vibration analysis and compare to baseline values.		X		
Check Lubrication	Ensure that all bearings are lubricated per the manufacturer's recommendation.			X	
Motor Alignment	Aligning the motor coupling allows for efficient torque transfer to the pump.			X	
Check Mountings	Check & secure all motor mountings.			X	
Check Terminal Tightness	Tighten connection terminals as necessary.			X	
Cleaning	Remove dust and dirt from motor to facilitate cooling.			X	
Check Bearings	Inspect bearings and drive belt for wear. Adjust, repair or replace as necessary.				X
Motor Condition	Checking the condition of the motor life through temperature or vibration analysis assures long life.				X
Check for Balanced 3 Phase Power	Unbalanced power can shorten the motor life through excessive heat build up.				X
Check for Over-Voltage or Under-Voltage conditions	Over or under voltage situations can shorten the motor life through excessive heat build-up.				X
	Check PTC Thermistor resistance/Temp Switch/Moisture Probe resistance			6	
	Check and record insulation resistance and adequate earthing.				X