



Audit Service Plan

The Motoman® Audit Service Plan is designed to augment customers with a self maintenance strategy. The Audit Service Plan can help identify impending performance issues with robots in production, and ensure that they are addressed before affecting production downtime.

Plan Includes

- Audit checklist will be submitted to customer at time of service.
- Complete Inspection of manipulator and controller
- Monitor robot in normal production.
- Perform grease analysis testing.
- Provide reports on grease analysis and audit results, along with recommendations for the continued performance of robots in production.



Preventive Maintenance & Grease Analysis Report Examples

MOTOMAN PREVENTATIVE MAINTENANCE SERVICE REPORT		Customer P. O. No. / WO# / Sales Order #
Customer	Controller	Software Version
Contact Name	Manipulator	Application Type
Date	Serial Number	Servo Hours
Technician	Warranty ID#	Playback Hours
MAINTENANCE SERVICE REQUESTED		
Preventative Maintenance Package <input type="checkbox"/>	Extended Preventative Maintenance Package <input type="checkbox"/>	Other <input type="checkbox"/>
Manipulator		
Electrical	<input type="checkbox"/> Wire Harness Inspection <input type="checkbox"/> Motor Cable Lead Inspection <input type="checkbox"/> Base Cables <input type="checkbox"/> Exterior Damage <input type="checkbox"/> Servo On Lamp <input type="checkbox"/> Over-Trip Limit Switch <input type="checkbox"/> Wheel Clutch <input type="checkbox"/> S, L, U Absolute Data Battery <input type="checkbox"/> R, B, T Absolute Data Battery <input type="checkbox"/> Wire Harness Replacement	
Mechanical	<input type="checkbox"/> Balancers <input type="checkbox"/> Link Arms <input type="checkbox"/> Base Pin/Bulb <input type="checkbox"/> Cover Screens Present <input type="checkbox"/> Pumps Restored & Verified <input type="checkbox"/> Home Position Calibration	
Driveline	<input type="checkbox"/> Belt <input type="checkbox"/> Pulley <input type="checkbox"/> Vibration <input type="checkbox"/> S-Axis <input type="checkbox"/> L-Axis <input type="checkbox"/> U-Axis <input type="checkbox"/> R-Axis <input type="checkbox"/> B-Axis <input type="checkbox"/> T-Axis	
Grease	<input type="checkbox"/> Completed <input type="checkbox"/> Visual Leaks <input type="checkbox"/> Condition <input type="checkbox"/> Sampled	
Controller	<input type="checkbox"/> Date Backup <input type="checkbox"/> CMOS Battery <input type="checkbox"/> Absolute Data Battery <input type="checkbox"/> Absolute Data Numbers (on Door) <input type="checkbox"/> Alarm History <input type="checkbox"/> Cabinet Cleaning <input type="checkbox"/> Servo Pack & CPU Cooling Fans <input type="checkbox"/> Cabinet Cooling Fans (Rear & Door)	
Teach Pendant	<input type="checkbox"/> Upper & Lower Casing <input type="checkbox"/> Application Overlay <input type="checkbox"/> 3 Function Enable Switch <input type="checkbox"/> LCD Screen (Touch Screen) <input type="checkbox"/> Emergency Stop Button <input type="checkbox"/> Teach Pendant Hanger <input type="checkbox"/> Hand Stop <input type="checkbox"/> Pendant Cable & Connections	
Playback Box	<input type="checkbox"/> Emergency Stop Button <input type="checkbox"/> Start Button & Light <input type="checkbox"/> Hold Button & Light <input type="checkbox"/> Teach Mode Button <input type="checkbox"/> Play Mode Button <input type="checkbox"/> Remote Mode Button	
Brake Release Test	<input type="checkbox"/> S Axis <input type="checkbox"/> L Axis <input type="checkbox"/> U Axis <input type="checkbox"/> R Axis <input type="checkbox"/> B Axis <input type="checkbox"/> T Axis	
Notes		
Name	Date	
Signature		

PM Date	12/13/2008		
Servo Hours	30000		
AXIS	Weight %	Judgement	Counter Measure
1: S	0.01	Within Normal Range	Continue current grease management practices
2: L	0.02	Within Normal Range	Continue current grease management practices
3: U	0.03	Within Normal Range	Continue current grease management practices
4: R	0.02	Within Normal Range	Continue current grease management practices
5: B	0.02	Within Normal Range	Continue current grease management practices
6: T	0.04	Within Normal Range	Continue current grease management practices

