



LATHE PREVENTATIVE MAINTENANCE REPORT

Data	
Date	

Machine Type: LATHE

Model and Control:

Serial Number:

		Findings	Results
MACHINE LEVEL			
Machine Level X-Plane	OK		
Machine Level Z-Plane	OK		
TURRET			
A-Turret Parallelism			
A-Turret Inclination			
B-Turret Parallelism			
B-Turret Inclination			
AXES			
X-A Backlash			
X-B Backlash			
Z-A Backlash			
Z-B Backlash			
Y-A Backlash			
X-A Axes Load	At 100%		
X-B Axes Load	At 100%		
Z-A Axes Load	At 100%		
Z-B Axes Load	At 100%		
SPINDLE			
Spindle Actuator Runout			
Spindle Belt Condition & Noise	visual		
Front Spindle Bearing Temperature	<68 F+Room Ambient		
Rear Spindle Bearing Temperature	<68 F+Room Ambient		
Ambient Temperature			
Spindle Load @ max. R.P.M.			





Findings Results **SUB SPINDLE** Sub Spindle Actuator Runout Sub Spindle Belt Condition & Noise Front Sub Spindle Bearing <68 F+Room Ambient Temperature Rear Sub Spindle Bearing <68 F+Room Ambient Temperature Ambient Temperature Load @ Max. R.P.M **ELECTRICS** Primary Incoming Voltage Optimal 208v +-10% Check operation Heat Exchanger visual Fans Check CPU Fans for Operation visual Check Grounding of Machine Check Seals on OSP & CRT Cabinet | visual Check of the CRT Key Panels Check Operation of the E-Stop Check Operation of the Light Tower **WIPERS** Check all Wipers for wear visual Check Scrappers for wear visual Inspect all Way Areas X,Y & Z visual Inspect all Sliding Covers for visual Damage / Wear **TAILSTOCK** Check wipers on tailstock visual Inspect for hydraulic leaks visual Inspect Lubrication to Unit visual **HYDRAULIC** Change Hydraulic Oils Change Filter Clean Suction Filter Check for Fluid Leaks visual





		Findings	Results
COOLANT SYSTEM			
Clean Suction Screen on Pumps			
Clean filter Screens in Tank			
Check Coolant Flow to Turrets	visual		
HEADSTOCK COOLING SYSTEM			
Clean Filter Element			
Change Oil			
Check for Leaks	visual		
Check cooling Fan operation	visual		
BELTS			
Check condition of Belts	visual		
MILLING			
Check the Milling Clutches both	visual		
Driver and Driven			
FRONT DOOR			
Check for Door Glass Cracks	visual		
Check for Coolant Leaking by Seals	visual		
Check Door Switch Condition	visual		
COMMENTS:			