

Mazak

M5N Turning Lathe

Serial Number: 137705

MTSS
Machine Technical Service Support
The Machine Shop Solution
MTSS Will Get There Quick!

Mazak

Machine Number Assigned: T-3

Model: M5N

Serial Number: 137705

Franklin Equipment Asset Number:

Date of Inspection: 01-29-10.....02-03-10

Inspector: Larry R. Green (MTSS)

Signature of Inspector:



Machine Inspection is Completed

Machine Features and Options:

Mazak T-Plus Mazatrol Cam Conversational Control

Chip Conveyor

Front and Rear Turrets

B 15 (15" inches) Kitagawa Chuck

Tail Stock Assembly

Amber CRT Screen (Certain Options Not Available with This Screen)

Manuals:

Mechanical Parts List

Electrical Wiring Manual

Electrical Ladder Diagram Manual

Operating Manual

Conditions at Power Up:

1. Machine Power Up without any Parameter Lost

2. Rear Turret Leaks when trying to index. Would not index due to excessive Hydraulic lost. The Rear seals on the Clamp Cylinder were replaced on 02-03-10. The Rear Turret index properly and No other leaks were found.

3. The Front Turret will no index. Found that the Clamping Plunger was stuck. Removed the components for the clamping plunger and cleaned and lubricated them. Re-installed all components. The Front Turret Index properly and no other issues found on this system.
4. The Tail Stock would not find the Extend or Retract Signals , therefore the spindle would not operate. Cleaned and Lubricated the Tail Stock Quill and Tail Center. Operated the Tail Stock several times and the Tail Stock Quill Extend and Retract Signals are now working.
5. Operated the Chuck open and Close. Works good.
6. The Spindle Runs good Forward and Reverse Directions.
7. Both X and Z Axis work good in Manual, Homing and MDI Modes of operations.
8. The Chip Conveyor works good.
9. The Coolant system works on Front and Rear Turret. The Rear Turret Coolant Distribution Valve needs to be worked on. Valve and Seals need to be replaced. Cost of repair parts would be less than \$300.00 thru Mazak Parts
10. All Control Function are working Correctly.
11. All electrical components in the Electrical Cabinet are in good working condition.

Machine overall condition is Rated as Listed below:

Excellent Condition.