

Equipment Machine Service Inspection Report

PLEASE FILL OUT THIS FORM IN DETAIL

PLEASE TURN OFF MACHINE AND RESTART BEFORE INSPECTION SO THAT ANY ALARMS THAT ARE PRESENT WHEN POWERED UP WILL BE DETECTED

Inspector: Luis Favila

Make: Doosan **Model:** Puma 400MB

Control Model: FANUC 21i-TB **Serial number:** P35M2325

Model Year: 2006/04

Please record below the hours on the machine:

Weight 5860 kg, Dim: 18ft-4in L x 8ft W OAL

Control: Fanuc 21i-T

Power on 2407231

Auto Operation: 56680

Auto cut: 28448 **Spindle Run:** N/A

Condition of the Control Panel? Buttons, Keys, monitor, etc.

The control panel appears to be in good condition with no damage to the keys or screen, and all buttons are legible

- Covers:

Condition of all working covers inside the machine? Good condition.

Are the covers working properly, and are there no damages on them? Working well, no damage.

Condition of the way wipers? They are working fine, but they have regular wear. The Z-axis cover does have a small dent, which should not affect functionality

- Spindle:

Ran at 150 RPMs, 750RPMs, and 2500 RPMs, no abnormal noises or sounds

Check inside spindle for any cracks, scoring, or damage to the taper that should be noted:

No damage was seen to it. The headstock belts look to have normal wear and have good tension

- Axis Repeatability:

Please check and record findings for all applicable axes:

X axis: 0.0005

Z axis: 0.0001

- Backlash:

X axis: 0.001"

Z axis: 0.0007"

Axis Noise, please report any bearing, ballscrew, or guide noise

No noises detected on any axis.

- Compensation findings:

X: 18

Z: 15

- Chuck: (21" Chuck)

Please note any issues with the chuck open/close or damage:

No damage was seen, opens and closes slowly due to low oil levels. But that should go away once the levels are topped off

- Tailstock:

Please check the tailstock to ensure it is in good order. Please test body and quill:

No damage seen; working properly.

- Chip Conveyor:

**Please run the conveyor in forward and reverse to ensure it is working properly.
Note any concerns:**

The chip conveyor is working

- Coolant:

Please check all pumps to ensure they are working and run coolant to check for leaks and any issues.

No issue seen, coolant does need to be replaced

- Tooleye / Presetter:

Please check arm and sensors to make sure they are properly working. Note any problems.

N/A

- Electrical Cabinet:

Please check for cleanliness, fan operation etc. and note findings.

In good condition with no damage, just needs PM and some cleaning.

- Hydraulics:

Please make sure the hydraulic system is working properly.

It works well with no noise; it does need some top-off oil

- Lube Systems:

Please make sure all ways and any applicable areas are being lubricated properly

Working well with no noise, everything is getting proper lubrication

- Miscellaneous items:

Please check the following items if applicable: Part catcher, barfeeder, accessories, or attachments the machine may not have listed above, and note below:

N/A

IMPORTANT: THIS MUST BE FILLED OUT FOR THE REPORT TO BE COMPLETE, ALONG WITH AN OVERALL PICTURE OF MACHINE AND A FEW INSIDE SHOTS:

Please note below your overall opinion of the condition of the machine and any concerns that you feel need to be addressed:

The machine is in good condition, with smooth movements and no noises on the axes; however, I would recommend a good PM.

Note: