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SERVICE REQUESTED BY:
MATTSSON METAL AB
BOX 415
SE-792 27 MORA
SWEDEN

WORK SITE ADDRESS:
MATTSSON METAL AB
NORVÄGEN 6
Tel: 0250-39418
SE-792 32 MORA
SWEDEN

1527

INSTALLATION #: E-87321

MODEL	CONTROLLER	CUSTOMER DESCRIPTION OR NUMBER	HOUR METER
M-10IA/12	R-30iB A remote cabinet		

Initial position of robot (JOINT position)

Axis J1°	4.77500	Axis J4°	-0.00200	Axis E1°	
Axis J2°	-29.46700	Axis J5°	-71.69100	Axis E2°	
Axis J3°	-18.30800	Axis J6°	-94.77800	Axis E3°	

Comment:
NO REMARKS

Master count

Axis J1°	41118.00000	Axis J4°	-	Axis E1°	461433.00000
Axis J2°	7407932.00000	Axis J5°	238077.00000	Axis E2°	
Axis J3°	13611979.00000	Axis J6°	-	Axis E3°	535285.00000

Motor inspection

	J1	J2	J3	J4	J5	J6	E1	E2	E3
Motors brake	✓	✓	✓	✓	✓	✓			
Motors insulation	✓	✓	✓	✓	✓	✓			
Motors temperature	✓	✓	✓	✓	✓	✓			
Motors vibration	✓	✓	✓	✓	✓	✓			

Comment:
NO REMARKS

Reducer inspection I

Repeatability test ✓

Reducer inspection II

	J1	J2	J3	J4	J5	J6	E1	E2	E3
Backlash	✓	✓	✓	✓	✓	✓			
Reducer vibration	✓	✓	✓	✓	✓	✓			
Reducer vibration check leacjage	✓	✓	✓	✓	✓	✓			

Comment:
NO REMARKS

Lubrication of mechanical parts I

Bearing lubrication done
Balancer lubrication done

Lubrication of mechanical parts II

	J1	J2	J3	J4	J5	J6	E1	E2	E3
Grease change done	✓	✓	✓						
Inspection grease Fe content	✓	✓	✓						
Air filter outlet installed									
No grease leakage	✓	✓	✓	✓	✓	✓			

Comment:
J1 - 0,007
J2 - 0,004
J3 - 0,009
J4 AND WRIST - OIL CHANGE

Visual control of internal cable

Visual inspection of internal cable ✓
Inspection and test of OVER TRAVEL

Comment:
NO REMARKS

Control of all connectors of FANUC Motors

	J1	J2	J3	J4	J5	J6	E1	E2	E3
Power connector/cable side	✓	✓	✓	✓					
Power connector/motor side	✓	✓	✓	✓					
Brake connector/cable side	✓	✓	✓	✓					
Brake connector/motor side	✓	✓	✓	✓					
Encoder connector/cable side	✓	✓	✓	✓					
Encoder connector/motor side									
Encoder covers					✓	✓	✓		
Motors cover					✓	✓	✓		

Comment:
NO REMARKS

Control of connector between robot and controller

RPM Robot connector ✓
RM1 Robot connector
RM1 Robot connector
RM2 Robot connector
FANUC Operating Box connector (A size or I size) ✓

Comment:
NO REMARKS

Verification of Robot connector EE, AS, AP, Air, etc.

AS robot connector AS
AP robot connector AP
EE robot connector ✓
EE
AIR robot connector ✓
BUS robot connector

Comment:
NO REMARKS

Inspection of Various I

Zero mastering position ✓
Quick master is set ✓
Number of collisions ✓
Primary power supply ✓
Auxiliary power supply ✓
Condition of fuses ✓
Inspection of fan's ✓
Filter replacement
Internal cleaning of controller ✓
Internal cleaning of backside heat exchanger ✓

Inspection of Various II

Axis J1° 153.00000 Axis J4° 1180.00000 Axis E1°
Axis J2° 92.00000 Axis J5° 1724.00000 Axis E2°
Axis J3° 1802.00000 Axis J6° 1396.00000 Axis E3°

Comment:
HIGH NUMBER OF COLLISIONS ON ALL AXIS.

Inspection of Payload

Payloads correct used? X

Comment:
PAYLOAD IS NOT SET.

Inspection of Teach Pendant

Teach Pendant Panel ✓
Teach Pendant Cable ✓
Teach Pendant functionality ✓

Comment:
TP IS DAMAGED AT THE CABLE CONNECTOR

Inspection of Panel Board, Breakers, etc.

Panel Board functionality (AUTO, T1, Button, E STOP, etc.) ✓
Panel Board control (Led, etc.) ✓
Breakers ✓

Comment:
NO REMARKS

Control of initial condition

Return of robot to initial position ✓
UI Signals is ENABLE (if use) ✓
Safety signals are connected ✓
Selector are in initial position (AUTO, REMOTE) ✓
All variable system are set as initial ✓

Comment:
NO REMARKS

Batteries replacement

Replacement of CPU Battery ✓
Replacement of Robot Battery ✓
Replacement external axis Battery

Comment:

Inspection of transmission belt

Belt 1, tension measurement
Belt 1, tension measurement result
Belt 1 replaced by new one
Belt 2, tension measurement
Belt 2, tension measurement result
Belt 2 replaced by new one

Comment:

Cleaning of working Area

Cleaning of grease (drops...) ✓
Cleaning of working Area ✓
Old grease removal
Old battery removal

Comment:
NO REMARKS

On site safety conditions

Safe to perform task ✓
Customer safety regulations active
Additional safety rules

Test Under production (with customer)

Test of robot under production after FANUC Robotics service ✓

Comment:
NO REMARKS

Inspection of Purge unit

Purge unit

functionality

Pressure switch

Flow switch

Comment:

Positioners I

Alkaline battery

Positioners II

J1 J2 J3 J4 J5 J6 E1 E2 E3

Initial position of positioner (JOINT position)

Master count

Motor brake

Backlash

Grease change done

Inspection grease Fe content

Grease leakage detected

Power connector/cable side

Power connector/motor side

Brake connector/cable side

Brake connector/motor side

Encoder connector/motor side

Encoder connector/cable side

RM Robot connector

RP Robot connector

Zero mastering position

Comment:

Robot Cable pack

Internal Cables x

replaced by a new set

System timers

Customer machine reference

On power time 39107,0

Servo on 8910,3

Running time 8407,2

Waiting time 3902,9

Mechanical unit time 5536,6

Comment:

NO REMARKS