

METCALF CRANE SERVICES PTY LTD
SUPERSTRUCTURE/ CARRIER ALL TERRAIN – 3 MONTHLY INSPECTION REPORT

JOB NUMBER:	97- 3 monthly	UNIT NUMBER:	U97	DATE:	12.08.2026
CRANE MODEL:	Demag AC500/8	SERIAL NUMBER:	84241	KM'S:	24,866Kms
HOURS:	Carrier 1,373 Hrs	Upper 5,130Hrs			

***NOTE: MAKE SURE THAT HOURS AND KILOMETRES ARE RECORDED – MAKE SURE A SERVICE STICKER IS FITTED**

SERVICE	DONE	OK	N/A	INITIAL	CHECK FAULT – COMMENTS – PLEASE NOTE ALL FINDINGS
SUPERSTRUCTURE					
Check & report on all switches & warning lamps	☐	☒	☐		
Check deadman switch	☐	☒	☐		
Check any LMI errors	☐	☒	☐		
Check wiper / washer operation	☐	☒	☐		
Check washer level	☐	☒	☐		
Top up batteries	☐	☒	☐		
Lubricate & condition of battery terminals	☐	☒	☐		
Check anti 2 block system; main & aux	☐	☒	☐		
Check condition of sheaves	☐	☒	☐		
Check condition of hook blocks	☐	☒	☐		
Check for oil leaks	☐	☒	☐		
Check air con & heater system	☐	☒	☐		
Check winch operation & turn indicator	☐	☒	☐		
Check to ensure keeper pins in place and in good condition	☐	☒	☐		
Check air intake hoses	☐	☒	☐		
Check s/structure hydraulic level & note	☐	☒	☐		
ENGINE					
Take oil sample *	☐	☐	☒		SIF No.
Change oil filter	☐	☒	☐		Filter No:
Replace engine oil	☐	☒	☐		
Change fuel filter	☐	☒	☐		Filter No:

Change air filter(outer)	☐	☒	☐		Filter No:
Change fuel pre filter		x			Filter No:
SERVICE	DONE	OK	N/A	INITIAL	CHECK FAULT – COMMENTS – PLEASE NOTE ALL FINDINGS
SERVICE					
Check/adjust condition of drive belts	☐	☒	☐		Type & Litres:
Check coolant level	☐	☒	☐		
Check coolant/air intake hose & secure clips	☐	☒	☐		
Check & report any leaks	☐	☒	☐		
Top up auto lube system	☒	☐	☐		
* USE CRANE SERIAL NUMBER FOR 'UNIT' OR 'VEHICLE' NUMBER NOT JOB NUMBER ON OIL SAMPLES					
HYDRAULICS					
Clean magnetic rod	☐	☒	☐		
Check hydraulic hoses	☐	☒	☐		
Replaced Hydraulic filters	☐	☒	☐		
WINCH					
Check oil	☐	☒	☐		Type & Litres
Replace oil	☐	☒	☐		
Check condition of rope & rollers	☐	☒	☐		
Lubricate hoist gear	☐	☒	☐		Type & Amount:
SLEW					
Check pinion & ring teeth condition	☐	☒	☐		
Check slew bearing bolt tension	☐	☒	☐		
MOVE CRANE INTO YARD					
BOOM & OUTRIGGER LUBRICATION					
Lubricate hook blocks	☒	☐	☐		
Lube outrigger beams	☒	☐	☐		
OTHER MAINTENANCE WORK					
Lubricate counterweight hoist unit	☐	☐	☒		
Lubricate door rollers	☐	☒	☐		
Test boom telescope operation	☒	☒	☐		
Test derricking operation (luffing)	☒	☒	☐		
Test counterweight operation	☐	☒	☐		
Test operation of LMI	☒	☒	☐		
Check LMI & warning systems	☒	☒	☐		

Wash down crane, detail cab if applicable	☐	☒	☐		
SERVICE	DONE	OK	N/A	INITIAL	CHECK FAULT – COMMENTS – PLEASE NOTE ALL FINDINGS
TEST DRIVE					
Drain air pressure, check build up	☒	☒	☐		
Check braking operation	☐	☒	☐		
Check emergency steering operation	☐	☒	☐		
Check suspension operation	☐	☒	☐		
Check transmission operation	☐	☒	☐		
SUSPENSION					
Check machine & apply handbrake	☐	☒	☐		Oil Levels:
Check & note all suspension oil levels	☐	☒	☐		
Check & report any oil leaks	☐	☒	☐		
Lock suspension	☐	☒	☐		
ELECTRICAL					
Operation of all lights	☐	☒	☐		
Check all warning systems:- horns	☐	☒	☐		
Check all warning systems:- flashing lights	☐	☒	☐		
Check all switch functions	☐	☒	☐		
Check air conditioning operation	☐	☒	☐		
Check wiper/washer operation & condition	☐	☒	☐		
CAB & PANEL					
Ensure items in cab are secure	☐	☒	☐		
Condition of cab glass & interior	☐	☒	☐		
Check seat belt condition & mounting	☐	☒	☐		
Condition of cab, panels & doors	☐	☒	☐		
STEERING					
Check all linkages & ball joints	☐	☒	☐		
Check strut grease lubricating system	☐	☒	☐		
Check ball joint rubber condition	☐	☒	☐		Type & Amount:
HYDRAULIC					
Check carrier hydraulic level & note	☐	☒	☐		

SERVICE	DONE	OK	N/A	INITIAL	CHECK FAULT – COMMENTS – PLEASE NOTE ALL FINDINGS
Check operation of L&R level indicators	☐	☒	☐		
Check damage to pads or pad holders	☐	☒	☐		
Check all beam lock pins & chains	☐	☒	☐		
Check beam wear pads	☐	☒	☐		
De-rig hooks & raise boom	☐	☒	☐		
Check for leaks & report	☐	☒	☐		
BRAKES					
Check brake system for air leaks	☐	☒	☐		
Check condition & thickness of linings	☐	☒	☐		
Drain water from air tanks	☐	☒	☐		
WHEELS	☐	☒	☐		
Check tyre condition & pressures	☐	☒	☐		
Check wheel dish condition & visually check wheel nuts	☐	☒	☐		
Check wheel bearing clearances – REFER TO PROCEDURE	☐	☒	☐		
* USE CRANE SERIAL NUMBER FOR 'UNIT' OR 'VEHICLE' NUMBER NOT JOB NUMBER ON OIL SAMPLES					
TRANSFER CASE	☐	☐	☐		SIF No:-
* Take oil sample *	☐	☐	☐		Type & Amount
Check oil & fill to level	☐	☒	☐		Type & Amount
Fill to correct level plug – refer to shop manual	☐	☒	☐		
Check & report any oil leaks					
DIFFERENTIAL, FINAL DRIVES & DRIVELINES	☐	☐	☐		SIF No:-
Take diff oil samples * & Position on crane (rear only)	☐	☐	☐		
Check & report oil leaks	☐	☒	☐		Type & Amount:
Fill oil to level	☐	☒	☐		Type & Amount:
Change oil on retarded diff	☐	☒	☐		Type & Amount:
Check wear & lubricate cardinal shafts	☐	☒	☐		Type & Amount:
Check wear & lubricate drive shafts	☐	☒	☐		

GENERAL NOTES:	
Tyre pressures Ok	
Crane checks out OK	

***NOTE: RECORD ACTUAL TYRE PRESSURE BEFORE CORRECTING TO FACTORY SETTINGS**

INSPECTED BY:	Bill Duncan	QUALIFICATION:	Mechanic
SIGNATURE:	<i>William Duncan</i>	DATE:	12.08.2026

Certification by Responsible Person:			
I certify that the described plant is to the manufacturers specifications and is being serviced and maintained by competent personnel to the manufacturer's recommendations			
PRINT NAME:	Bill Duncan	POSITION:	Workshop supervisor
SIGNATURE:	<i>William Duncan</i>	DATE:	12.08.2026