TEREX

TC091.2
May 2020

MAJOR INSPECTION CERTIFICATE

Certificate No: M1241

Crane Manufacturer: Terex **Crane Type:** Franna **Crane Model:** MAC25 SIII

Crane Serial No: 25432 **Road Registration No:** **Plant No:**

Plant Registration No: **Design Registration No:** Q16799

Manufacture Date: 22/03/2010 **Job No:** 25432-SALES-120820

Hours Lower: 11,729 **Hours Upper:** N/A **Kms:** 25,821

Owner's Name: Terex Australia

Address: 585 Curtin Ave East, Eagle Farm, Qld, 4009

Representative: Robin Ghosh **Phone No:** 0448 882 698 **Fax No:**

Inspection Date: 30/10/2020 **Repair Order Number:** 25432-SALES-120820

Name of Competent Person: Michael Atherden

Address of Competent Person: (Please tick appropriate box below) **Phone No:** (As per ticked box below)

Qualification of Competent Person (tick one box):

- ☐ Professional engineering qualification, membership of professional organization and crane industry experience
- ☐ Professional engineering qualification and crane industry experience
- ☑ Other tertiary qualification and crane industry experience
- ☐ Trade qualification and crane experience. (NSW Associated license number if applicable):
- ☐ Other (state):

Competent person statement:

I hereby certify that the crane, serial number 25432, has received its major inspection in accordance with the instructions of the crane designer and manufacturer, with AS2550 Part 1 & 5, the Mobile Crane Code of Practice and is safe to use.

Competent Person Signature: **Date:** 30/10/2020

Comments:

☒ **QLD**
585 Curtin Avenue East
Eagle Farm QLD 4009
Ph: (07) 3868 9600
Fax: (07) 3268 2489

☐ **WA**
39 Catalano Rd
Canning Vale WA 6155
Ph: (08) 9232 0000
Fax: (08) 9232 0051

☐ **NSW**
114 Hassall St
Wetherill Park NSW 2164
Ph: (02) 8786 4444
Fax: (02) 8786 4455

☐ **VIC**
133 Logis Boulevard
Dandenong South VIC 3175
Ph: (03) 8794 4170
Fax: (03) 9794 8401

MAJOR INSPECTION CRITERIA

Assessment for Continued use:

In the absence of detailed crane duty cycle history, use the following:

a. If crane hours are greater than 15000, then carry out inspection.

or

b. If crane age is greater than 10 years, then carry out inspection.

	Description		Remarks	Complete
1	**Ensure Routine Maintenance is completed**			BT
2	**Ensure Annual Inspection is completed and all safety items rectified**			BT
3	**Strip Boom and carry out the following inspection and repairs**			BT
	a	Check butt section for bend, cracks (see item 6) and damage.	Stringline, record measurements & photograph each section. Refer QPP318, QPP319.	BT
	b	Check first extension for bend, cracks (see item 6) and damage.		BT
	c	Check second extension for bend, cracks (see item 6) and damage.		BT
	d	Check third extension for bend, cracks (see item 6) and damage.		BT
	e	Replace retract and extension ropes		BT
	f	Inspect internal sheaves for damage		BT
	g	Replace sheave bearings		BT
	h	Replace wear pads		BT
4	**Remove Winch and carry out the following inspection and repairs**		Terex recommend replacement of the winch assembly due to fatigue life considerations.	
	a	Replace gearbox		REPLACED
	b	Strip winch brake, inspect and overhaul		
	c	Inspect motor for bypass leakage and performance		
5	**Carry out performance load and winch brake test as per AS1418.5**		Issue Certificate	BT
6	**NDT critical areas – NDT report required as evidence of inspection**			BT
	a	Boom – all sections	Refer QPP318 – AT cranes, QPP319 – MAC cranes, for inspection areas. Include photographic evidence of inspection.	BT
	b	Front body		BT
	c	Rear body		BT
	d	Rims		REPLACED
	e	Hook block		BT
7	**Carry out the following repairs to the steering circuit**			BT
	a	Replace all hoses in complete steering circuit		BT
8	**Viability to bring crane into compliance with current AS1418.5**			BT
	a	Fit load moment indicator (LMI) complete with motion cuts	Issue Certificate	BT
9	**Fit seat belts**			BT
10	**Fit side level indicator**			BT

Crane Make: FRANNA **Model:** MAC25 **Ser #:** 25432 **Hrs:** 11729

The above repairs were completed on 26 / 10 / 2020 **at** EAGLE FARM WORKSHOP **and in accordance with AS2550.5.**

Name: BRENDAN TAYLOR **Signature:** BT

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MAJOR INSPECTION REPORT

QF23O.8

LEGEND:
OK - Inspected - No action required
REP - Additional repairs required
DNU - Warning: Do not use
N/A- Not applicable to this model

Crane Make: FRANNA **Model:** MAC25 **Ser #:** 25432 **Hrs:** 11729

A. ENGINE

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Oil Level	✓			
2	Oil Condition	✓			Sample Taken - Yes / No
3	Oil Pressure (Gauge Reading)	✓			
4	Exhaust Smoke at Idle	✓			
5	Exhaust Smoke Under Load	✓			
6	Oil Leakage	✓			
7	Unusual Noise/s	✓			
8	Exhaust System	✓			
9	Exhaust Discharge away from Operator/AC	✓			
10	Air Intake System	✓			
11	Air Filter Condition	✓			
12	Engine Mounts	✓			
13	Radiator Condition	✓			
14	Coolant Level and Condition	✓			
15	Radiator Mounts and Guards	✓			
16	Condition of all hoses	✓			
17	Condition of all Belts and guards	✓			
18	Fuel Lines	✓			
19	Fuel Filters / Sediment Traps	✓			
20	Fan Bearing	✓			
21	Hydraulic Pump Coupling	✓			
22	Hydraulic Pump Support Bracket	✓			
23	Check Viscous Hub	✓			
24	Check Intercooler for cracks	✓			
25	Check Intercooler hoses (EAF PN 13001)	✓			
26	Check Engine Fault Codes	✓			
27	Check 2 speed fan operation(if applicable)	✓			

Additional Comments On Engine Section

B. TRANSMISSION

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Oil Level	✓			
2	Oil Condition	✓			Sample Taken - Yes / No
3	Breather	✓			
4	Oil Pressure (Gauge Reading Clark)	✓			
5	Oil Leakage	✓			
6	Oil Cooler Condition	✓			
7	Oil Cooler hoses	✓			
8	Shift Control (Auto Transmission)	✓			
9	Selector Cable	NA			
10	Kick Down Operation	✓			
11	Neutral Start Switch Operation	✓			
12	Gear Shift (Manual Transmission)	NA			
13	Operation - Gear Selection	✓			
14	Control Mechanisms	✓			
15	Mounts / Supports / Bolts	✓			
16	Unusual Noise/s	✓			
17	Jack Shaft and U/J to Transfer Case	✓			
18	Lube of Shaft, U/J and linkages	✓			
19	Condition of Hoses	✓			
20	Condition of Cooler	✓			
21	Clutch Adjustment	NA			
22	Clutch Fluid Level and Condition	NA			
23	Clutch Master / Slave Cylinder Operation	NA			
24	2WD/4Wd Operation (MAC14)	NA			
25	De Clutch Operation (MAC14)	NA			
26	Check Transmission Fault Codes	✓			
27	Check prognostics if applicable	✓			

Additional Comments on Transmission Section

C. TRANSFER CASE

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Oil Level	✓			
2	Oil Condition	✓			
3	Breather	✓			
4	Oil leaks	✓			
5	Operation	✓			
6	Input Seal and Flange	✓			
7	Front Output Seal and Flange	✓			

8	Rear Output Seal and Flange	✓			
9	Hi/Lo Selector Shaft Seal and Operation, Switch and Light	✓			
10	4WD Selector Shaft Seal and Operation, Switch and Light	✓			
11	Mounts / Supports / Bolts	✓			
12	Air Cylinders and Linkages, Leaks	✓			
13	Check Cooler Pump Operation, Hoses Condition, Leaks, Cooler Condition, Leaks	✓			
Additional Comments on Transfer Case					

D. FRONT AXLE ASSEMBLY

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Alignment	✓			
2	Spring Anchors and Bolts Clear of Chassis	✓			
3	Axle Radius Arms and Bushes	✓			
4	Differential Centre and Bolts	✓			
5	Axles (Half Shafts)	✓			
6	Oil Level and Condition - Diff Centre	✓			
7	Oil Level and Condition - Planetary	✓			
8	Diff Lock Operation, Light, Air Leaks	✓			
9	Two Speed Operation (MAC14)	NA			
10	Hub seals and Bearings	✓			
11	Drive Shafts and U/J	✓			
12	Articulation Shaft, U/J and Centre Bearing	✓			
13	Oil Leaks	✓			
14	Differential HI/LO operation (MAC14)	NA			
15	EAF SN 12001 (spring lock out pin mod)	✓			
16	Breather – Clean, etc	✓			
17	Spring Lockout Operation (MAC25)	✓			
18	Spring Pack Condition	✓			
Additional Comments on front Axle Assembly:					

E. REAR AXLE ASSEMBLY

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Alignment	✓			
2	Spring Anchors and Bolts	✓			
3	Axle Radius / Torque Rods and Bushes	✓			
4	Differential Centre and Bolts	✓			
5	Axles (Half Shafts)	✓			
6	Oil Level and Condition - Diff Centre	✓			
7	Oil Level and Condition - Planetary	✓			
8	Two Speed Operation (MAC 14)	NA			
9	Hub, Seals and Bearings	✓			
10	Drive shafts and Universal	✓			
11	Oil Leaks	✓			
12	Differential HI/LO operation (MAC 14)	NA			
13	CB009 (rear driveshaft retaining plate)	✓			
14	Spring Pack Condition	✓			
Additional Comments on rear Axle Assembly					

F. STEERING SYSTEM

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Steering Wheel	✓			
2	Orbitrol Operation	✓			
3	Oil Leaks	✓			
4	Steering Cylinder Anchor points Refer SB0063	✓			
5	Steering Anchor Pins and Bearings	✓			
6	Steering Cylinders Condition	✓			
7	Steering Cylinders Clevis and Lock	✓			
8	Condition of all Hoses Refer SB0069	✓			
9	Mechanical Steering Stops For Wear	✓			
10	CB005 (emergency steer pressure switch)	✓			
11	CB007(steer lug and gusset modification)	✓			
Additional Comments on Steering system					

G. ARTICULATION AREA

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Movement in Bearings (refer SB105)	✓			
2	Pins, Nuts and keeper plates	✓			
3	Lubrication System	✓			
4	Condition of Hoses in Centre Pivot Area	✓			
5	Condition of electrical harness	✓			
Additional Comments on Articulation Area					

H. AIR SYSTEM

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Air Reservoirs Condition	✓			
2	Air Reservoirs Drain Valves	✓			
3	Air Leaks	✓			
4	Air Pressure Gauge - System pressure	✓			
5	Condition of all Air Lines	✓			
6	Air Compressor Condition	✓			
Additional Comments on Air System					

I. WHEELS AND TYRES

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Tyre Condition: Spare	✓			
	L/H/F R/H/F	✓			
	L/H/R R/H/R	✓			
2	Tyre Pressure	✓			
3	Wheel Cleats and Nuts	✓			
4	Wheel Rims Condition	✓			
5	Tyres – Meet Manufacturers Specifications (Refer EAF PA 13011)	✓			
Additional comments on Wheels and Tyres					

J. BRAKE SYSTEM

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Service Brake Operation/Air Leaks	✓			
2	Lining Thickness	✓			
3	Park brake Operation/Air Leaks	✓			
4	Holding Brake Operation/Air leaks	✓			
5	Condition of all Hoses/Air leaks	✓			
6	Brake Chambers Condition/Air leaks	✓			
7	Pedal / Foot Valve condition/Air leaks	✓			
8	Emergency Brake Release	✓			
9	Brake Drums - Wear	✓			
Additional comments on Brake system					

K. ELECTRICAL SYSTEM

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Condition of all Wiring and Routing	✓			
2	Operation of Head, Tail / Park Lights	✓			
3	Operation of Clearance lights	✓			
4	Operation of Indicators, Hazard Lights and Buzzer	✓			
5	Operation of all Work Lights	✓			
6	Operation of all Switches	✓			
7	Operation of A/C and cooling	✓			
8	Operation of Heater / Demister	✓			
9	Operation of Wipers / Washers	✓			
10	Operation of all Gauges / Instrumentation	✓			
11	Operation of Low Air Light and Buzzer	✓			
12	Operation of Oil Pressure Light (Buzzer)	✓			
13	Operation of reverse Alarm And Light	✓			
14	Operation of Emergency Steering System	✓			
15	Condition of Boom Conduit and Wiring	✓			
16	Operation of Horn	✓			
17	Operation of Override Switches	✓			
18	Operation of Reversing Camera / Winch Camera	✓			
19	Operation of Cruise Control	✓			
20	Operation of Emergency Stop Switch / Labelling	✓			
21	Isolators – Battery and Start / Labelling	✓			
22	Jump Start Receptacle / Labelling	✓			
23	Spring Lock Lights	✓			

24	Low Range Light	✓			
25	4WD Light and Alarm	✓			
26	Turbo Timer Operation	✓			
27	Counterweight Detection	✓			
28	Slew Sensor Operation (Robway)	✓			
29	Tilt Sensors Operation (Robway)	✓			
Additional Comments on Electrical system					

L. HYDRAULIC GROUP

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Hydraulic Reservoir Condition / Labelling	✓			
2	Hydraulic Oil Level	✓			
3	Hydraulic Oil Condition	✓			Sample - Yes No
4	Condition of all Hoses	✓			
5	Routing of all Hoses	✓			
6	Pump Coupling and Mounting	✓			
7	System Main Pressure 250 PSI:KPA	✓			
8	System Base Pressure 60 PSI:KPA	✓			
9	System Steering Pressure 1900 PSI:KPA	✓			
10	Check for Oil Leaks at all Cylinders	✓			
11	Check for Oil Leaks at all Valves	✓			
12	Operation of all Valves	✓			
13	Other Oil Leaks	✓			
14	Reservoir Filler Cap and Breather	✓			
15	Hydraulic Tank Air Pressure (MAC25)	✓			
Additional Comments on Hydraulic Group					

M. CHASSIS / BODY - FRONT

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Checks for Cracks in Chassis	✓			
2	Check for Chassis Damage	✓			
3	Inspect Towing and Lifting points	✓			
4	Panel Damage	✓			

5	Tool Locker Doors	✓			
6	Bumpers and studs	✓			
7	Mudflaps and Brackets	✓			
8	Doors, Hinges and Locks	✓			
9	Door Seals	✓			
10	Door Window locks and catches	✓			
11	Cabin Fixed Windows and Sealing	✓			
12	Mirrors Internal and External	✓			
13	Seats and Adjusters	✓			
14	Seat Belts	✓			
15	Pedal Condition	✓			
16	Levers Condition	✓			
17	Load Chart Fitment and Condition AS1418 Part 5	✓			
18	Floor Mats	✓			
19	General Appearance Inside Cabin	✓			
20	Water Leakage	✓			
21	Side Slope Deration Chart	✓			
22	Luff Cylinder Top Bearings and Pins	✓			
23	Luff Cylinder Lower Bearings and Pins	✓			
24	Luff Cylinder Adjustment	✓			
25	Hazard Striping on Front of Crane	✓			
Additional Comments on Chassis / Body - Front					

N. CHASSIS / BODY - REAR

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Check for Cracks in Chassis	✓			
2	Check for Chassis Damage	✓			
3	Inspect Towing and Lifting Points	✓			
4	Mudflaps and Brackets	✓			
5	Panel Damage	✓			
6	Tool Locker Doors	✓			
7	Fuel Tank and Cap Labelled	✓			
8	Battery Box, Clamps and Terminals	✓			
9	Counter Weight Plates Alignment / Damage	✓			
10	Engine Cowling and Bonnet / Struts	✓			
11	Transmission Cover	✓			
12	Fuel and Hydraulic Tank Inspection Covers	✓			
13	Air Filter Mounts	✓			
14	Exhaust Muffler mounts	✓			
15	Hazard Striping on Rear of Crane	✓			

16	Oversize / Overtaking Decals	✓			
17	Slew Zone / Crush Zone Decals	✓			
18	Counterweight Condition, Serial Number, Tare Weight, Striping for Front Fitment	✓			
19	Check counterweight lifting bolts for wear and damage refer SB0093	✓			
20	Check counter weight lifting pin for cracking and deformation	✓			
21	Check Spare Wheel and Carrier Assembly as per EAF SN 14 002	✓			
Additional Comments on Chassis / Body - Rear					

O. BOOM / JIB - BASE SECTION

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Structure / Visual Cracks / Scratches	✓			
2	Wear Pads and Adjustment – Internal and External	✓			
3	Rear Pivot Bearings and Pins	✓			
4	Rope Guards	✓			
5	Extension Cylinder Anchor	✓			
6	Boom Lights and Conduits	✓			
7	MRC Decals	✓			
8	Lifting Lug Decals	✓			
9	Diverter Sheave Wear / Condition	✓			
10	Extension Ropes / Chains and Anchor points	✓			
11	Retract Ropes / Chains / Anchor points	✓			
12	Ext and Retract Rope / Chains Adjustment	✓			
Additional Comments on Boom / Jib - Base Section					

P. BOOM / JIB - FIRST SECTION

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Structure / Visual Cracks	✓			
2	Wear Pads and Adjustment	✓			

3	Lifting Lug – Inner – Correct Weights Labelled, Cracks/Deformation	/			
4	Lifting Lug – Outer – Correct Weights Labelled, Cracks/Deformation	/			
5	Angle Sheave Condition	/			
6	Retract Sheave Condition/Orientation	/			
7	Sheave Bearings and Guards	/			
8	String Line and Check for Bend NOTE: Max allowable bend 6mm Supported QPP240 – 12mm Unsupported	/			Measured Bend_____
Additional Comments on Boom / Jib - First Section					

Q. BOOM / JIB - SECOND SECTION

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Structure / Visual cracks	/			
2	Wear Pads and Adjustment	/			
3	Push bar and Adjustment	/			
4	Push Bar and Support	/			
5	Ext/Ret Ropes – Locknuts Tight, Split Pins / Roll Pins Fitted	/			
6	Compensating Sheave Condition	/			
7	String Line and Check for Bend NOTE: Max allowable bend 6mm Supported QPP240 – 12mm Unsupported	/			Measured Bend_____
Additional Comments on Boom / Jib - Second Section					

R. BOOM / JIB - MANUAL SECTION OR THIRD SECTION

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Structure / Visual Cracks	/			
2	wear Pads and Adjustment	/			
3	Jib Head Sheave Assembly	/			
4	Sheave Pin and Bearings	/			
5	Push Bar, Anchor and Adjustment	/			
6	Push Bar Pin Safety Chain Fitted	/			
7	Boom Lock Pin and Clips	/			
8	Rope Anchor Pin and Clips	/			

9	Rhino Hook Pins and Clips	✓			
10	Hazard Striping of Boom Head	✓			
11	Rope Retainer Pins and Clips	✓			
12	Check all Boss for cracks refer EAF SN 11 002	✓			
13	String Line and Check for Bend NOTE: Max allowable bend 6mm Supported QPP240 – 12mm Unsupported	✓			Measured Bend_____
Additional Comments on Boom / Jib - Manual Section or Third Section					

S. WINCH GROUP

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Visual Check all Winch Mounts and Bolts	✓			
2	Reduction / Gearbox Unit Oil Level	✓			
3	drum and Bearing Condition	✓			
4	Winch Rope Anchor	✓			
5	Winch Brake Operation	✓			
6	Winch Motor Operation and Abnormal Noise	✓			
7	Winch Valves	✓			
8	Winch Rope Lubrication	✓			
9	Winch Rope Condition	✓			
10	Winch Rope Size and Construction	✓			
11	Winch Idler Sheave Condition / Lubrication	✓			
12	Winch Rope Roller Assembly and Condition	✓			
13	Rope – Wear should not exceed 5% of nominal diameter eg 14mm rope = max wear 13.3mm	✓			
Additional Comments on Winch Group					

T. FALL BLOCK GROUP

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	SWL,Tare & Serial Number Weight Stamped On Fall Block (refer SB0141)	✓			
2	Fall Block Condition	✓			
3	Sheave Assembly, Bearings and Pin	✓			
4	Rope Anchor and Pin	✓			

5	Hook Pin and Pin Hole	✓			
6	Hazard Stripe Fall Block	✓			
7	Rope Retainer Pins	✓			
Additional Comments on Fall Block Group		✓			

U. HOOK GROUP

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Hook SWL 25T S/N BB39104	✓			
	Condition of Hook and Swivel Bearing				
	Condition of Safety Latch	✓			
2	Hook SWL 9T S/N BB40302	✓			
	Condition of Hook and Swivel Bearing				
	Condition of Safety Latch	✓			
3	Hook SWL_____ S/N_____				
	Condition of Hook and Swivel Bearing				
	Condition of Safety Latch				
4	Rhino Hook	✓			
	Condition of Safety Latch				
5	Pare Weight				
	Condition and Damage				
6	Check for Deformation refer EAF SN 14001				
Additional Comments On Hook Group					

V. ADDITIONAL OPTIONS

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Fly Jib – Sheave Condition and Operation. A2B Operation Condition and Damage / Serial Number / SWL / Tare Weight. Mounts, Brackets, Pins, Adapter (MAC25)				
2	Off Set Head Condition and Damage, Pins, Serial Number, SWL	✓			

3	Spreader Bar, Mounts and Brackets, Lug Condition, Damage, Cracks, Wear, Dents / Paint Condition, Serial Number, Tare, SWL	✓			
	SWL Decal Fitted – Load Chart Fitted	✓			
4	Man Basket . SWL, Serial Number, Tare				
	Condition and Damage, Paint				
Additional Comments on Additional Options					

W. SAFETY GROUP (ALL ITEMS BELOW ARE MANDATORY)

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	LMI Operation and Calibration	✓			Complete Calibration Certificate
2	Anti 2 Block Operation (MAC 25) Visual and Audible	✓			
3	LMI - Electronic Boom Length Operation	✓			
4	Manual Boom Length Indicator Device	✓			
5	LMI - Electronic Boom Angle Operation	✓			
6	Manual Boom Angle Indicator	✓			
7	Inclinometer Condition if Fitted, Correct Decal	✓			
8	Slew Lights Operation if Fitted	✓			
9	Electrical Hazard and Safety Decals	✓			
10	Load Chart Fitted or Available in Cabin	✓			
11	Operators Manual	✓			
12	Log Book	✓			
13	Slew Angle – Derating LMI	✓			
14	LMI signal lights Operation and Mounting	✓			
15	Plant Rego in crane	✓			
16	Overload Alarms and Lights	✓			
Additional Comments on Safety Group					

X. OPERATIONAL TESTING

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Holding Brake Operation	✓			
2	Winch Raise and Lower / 2 Speed Operation	✓			
3	Luff Raise and Lower / 2 Speed Operation	✓			
4	Boom Telescope in and out / 2 Speed Operation	✓			
5	Slew Full Lock left and Right	✓			
6	Carry out Performance load test	✓			Complete Test certificate
7	Carry out Winch Brake Test	✓			Complete Test Certificate
8	Carry out Creep Test on Luff Cylinders	✓			Tolerance: less than 10mm per hour
9	Carry out Creep Test on extension Cylinders	✓			Tolerance: less than 20mm per hour
10	Carry out Creep Test steering circuit	✓			Tolerance: No less than 15 sec per steering wheel revolution with 30Nm torque application

Additional Comments on Operational Testing

Note Luff Cylinder Creep: Test load on creep test is to be 80 – 100% of SWL for radius tested. Cylinder creep is based on the temperature of the cylinder to remain constant throughout the testing period.

Note Extension Cylinder Creep: Test load on creep test is to be 80 – 100% of SWL for radius tested. Cylinder creep is based on the temperature of the cylinder to remain constant throughout the testing period.

Note on Steering Circuit: If test proves less than 15 seconds per revolution, than dead head the left and right hand steering hose at the steering unit and re test. If less than 15 seconds than replace steering unit, if greater than 15 seconds, re seal steering cylinders.

Y. ROAD TEST

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1	Brake Performance Test	✓			
2	Parking Brake test	✓			
3	Steering Operation	✓			
4	Abnormal Noises	✓			
5	Gear Selection and changes	✓			
6	General Driving Condition	✓			
7	Exhaust Brake Operation	✓			
8	Boom Raised Software Functioning if applicable (refer EAF PA 13 006)	✓			

Additional Comments on Road Test

Z. ADDITIONAL ITEMS (FOUND DURING INSPECTION)

ITEM	DESCRIPTION	OK	REP	DNU	COMMENTS / ACTION
1					
2					
3					
4					
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MAC25 OM906 / MD3060 Franna Crane Service Schedule

Date: 01-09-20 Job No.: 25432-SALES- 120820. Tech. Name: NICK P / ARVIE

Serial No.: 25432 Service Type: 2000h

Owner's Details: SALES.

Job Location: BRISBANE WORKSHOP

Make Of Equipment: FRANNA Model: MAC-25 Serial No.: 25432

Carrier Engine Make: MERC Model: OM906 Serial No.: 822362.

Registration / Plant No.: N/A Vehicle Klms: Hours:

Note: ALL items MUST be "Ticked" if carried out / "Crossed" if not carried out / marked "N/A" if not applicable.

R = Repair C = Completed

R	C	250 / 750 Hour Service Schedule	Comments
		CABIN & CONTROLS	
	✓	Check EMERGENCY Steer Pump Operation	Refer Operator's Manual for Spec.
	✓	Check Air Conditioning	FAN NOISY
	✓	Check 2/4WD & HI/LO Operation	
	✓	Check 4WD Audible Warning	
	✓	Check Diff Lock Operation	
	✓	Check Holding Brake Operation	
	✓	Check Emergency Stop Button Operation	
	✓	Check Reversing and Winch Camera Operation	
	✓	Check AM/FM Radio Operation	
	✓	Check Heater Operation	DOES WORK BUT CABLE STIFF
	✓	Check Wiper Operation	
	✓	Refill Windscreen Washer Water & Test Operation	
	✓	Check Front Spring Lockout Operation	200 bar activation pressure
	✓	Check Park Brake Operation	
	✓	Check Foot Valve Operation	
	✓	Check ALL Warning Lights and Buzzers	
	✓	Check ALL Instruments for Operation/Illumination	
	✓	Check Indicators & Audible Warning	
	✓	Check Hazard Lights	
	✓	Check Horn(s)	
	✓	Check Hyd. Sys. Base Pressure - use Dash Gauge	Refer Operator Manual for Pressures
	✓	Check Hyd. Sys. Max Pressure - use Dash Gauge	Refer Operator Manual for Pressures
	✓	Check Steer Pressure at Full Lock (dash gauge)	
	✓	Check SLEW Light Operation	
	✓	Check ALL Hydraulics for Correct Operation	
	✓	Check ALL 'Crane Control Levers' for Operation	
	✓	Check Clearance Lights	
	✓	Check Head Lights HI/LO	
	✓	Check Stop Lights	
	✓	Check Reverse Light(s) & Alarm	
	✓	Check ALL Work Lights	
	✓	Check Low Air Warning Devices	
	✓	Check Rotating Light Operation	
	✓	Check Interior Light Operation	

Note: ALL items MUST be "Ticked" if carried out / "Crossed" if not carried out / marked "N/A" if not applicable.

R = Repair C = Completed

R	C	250 / 750 Hour Service Continued	Comments
	✓	Check Cabin for Water Leaks	SML LEAK FRONT SCREEN
	✓	Check Seat Mounting & Operation	
	✓	Check Seat Belt Condition	
	✓	Check Door Locks & Catches for Operation	
		ENGINE BAY & TRANSMISSION	
	✓	Clean or Replace Air Filter (Outer Element Only)	
	✓	Visual Inspect Radiator Screen & Cooler Cores for Blockage	
	✓	Check Coolant & Inhibitor Level / Concentration	
	✓	Check ALL Coolant / Heater System Hoses	
	✓	Visual Inspect Air Intake Pipes & Hoses	
	✓	Tighten Intake Hose Clamps	
	✓	Check Fan Viscous Coupling	
	✓	Check Alternator & A/C Compressor Mount/Bolts	
	✓	Check Engine Drive Belt	
	✓	Check Engine Oil Level	
	✓	Check Engine, Lines & Hoses for Abrasion & Position	
	✓	Check Engine Piping for Leaks	
	✓	Visual Inspect Engine Mount(s) Condition	
	✓	Check for Fuel Leaks ALL Points	
	✓	Check for Oil Leaks in Engine Area	
		Check Hydraulic Pump PTO, Mounting & Bolts	
	✓	Check Transmission Oil Level	
		For cranes AFTER serial no. 25324:	
		Check Oil Service Condition Through Gear Selector Pad	Replace oil and filter if lower than 30%
		Check Filter Service Condition Through Gear Selector Pad	Replace oil and filter if display is reading (LO)
		DRIVE TRAIN & TRANSFER CASE	
	✓	Check Planetary Reduction (s) Oil Level	
	✓	Check Transfer Case Oil Level	Run at 1000 rpm for 1 min, then check immediately
	✓	Check Transfer Case Cooler System for Flow & Leaks	
	✓	Check Front Differential Oil Level	
	✓	Check Rear Differential Oil Level	
	✓	Check Clamping Bolts Front & Rear Spring Packs	
	✓	Check ALL Springs for Broken Leaves	
	✓	Check Radius Rods/Front Torsion Arms Tightness	Refer Operators Manual for Tensions
	✓	Check ALL Drive / Jack Shaft Universal Joints	
	✓	Lube ALL Universal Joints on Drive Line	
	✓	Check Brake Shoe Thickness (via insp.holes)	Document thicknesses
	✓	Check Brake Pads Wear & Record Remaining Thickness	
		L/H R/H	Minimum Thickness = MM
	✓	Axle 1 F 13 12	
	✓	Axle 1 R 13 13	
		Axle 2	
		Axle 2	
	✓	Adjust ALL Service Brakes	
	✓	Drain ALL Air Tanks of Water / Sediments NEW LOCK.	NEW
	✓	Check ALL Steering Pins / Bearings for Wear	
	✓	Lube ALL Steering Pins / Bearings	Use SBX-2 Grease
	✓	Tighten Steering Pin Bolts	Torque setting 312nM/230lb.ft
	✓	Inspect spring lockout retaining pins NEW	As per Service bulletin SB0136

Note: ALL items MUST be "Ticked" if carried out / "Crossed" if not carried out / marked "N/A" if not applicable.

R = Repair C = Completed

R	C	250 / 750 Hour Service Continued	Comments
	✓	Inspect steering hoses NEW	As per Service bulletin SB0069
	✓	Inspect steering cylinder rod clevis NEW	As per Service bulletin SB0063
		BOOM ASSEMBLY	
	✓	Adjust ALL Retract & Extension Ropes/Chains	Refer Operator's Manual for Spec.
	✓	Check 2nd Extension Cylinder Anchor Pins	Refer Service Bulletin SB0073
	✓	Re-tension Tele Secondary Cylinder Hoses	Refer Service Bulletin SB0038
	✓	Retension internal secondary cylinder hose fittings	
	✓	Check Winch Gearbox Oil Level	
		Check Winch Brake Oil Level	
	✓	Check Winch Rope Condition & Lubrication	NEW
	✓	Check Winch Unit Mountings & Bolts	
	✓	Visual Inspection of ALL Boom Sect. Damage/Bend	
	✓	Lube All Boom Sections, Sheaves & Wear Pads	
	✓	Inspect ALL Compensating Sheave Bearings	
	✓	Inspect ALL Sheaves on Boom Assy.	
	✓	Check Boom Rear Pivot Pins/Bearings for Movement	NEW
	✓	Lube Rear Boom Pivot Bearings	Use SBX-2 Grease
	✓	Check Luff Cyl. Top/Bott Pins & Bearings Movement	
	✓	Lube ALL Luff Cyl. Bearings	Use SBX-2 Grease
		CHASSIS & FINAL CHECKS	
	✓	Check Center Pivot Bearings/Pins for Movement	Refer Service Bulletin SB0105, drawing MXA1013
	✓	Lube Centre Pivot Bearings ALL Points	Use SBX-2 Grease
	✓	Check Hydraulic Reservoir Oil Level	Boom Closed Up (Lowered & Retracted)
	✓	Check Counterweight Lifting Bolts for Wear & Damage	Refer Service Bulletin SB0093
	✓	Clean and visually Inspect counterweight retention bolt for cracks	Refer Safety Notice EAF SN 17 001
	✓	Check counterweight buffers for hardening or cracking	Refer Safety Notice EAF SN 17 001
	✓	Check ALL Hydraulic Cyl's for Damage/Leaks	
	✓	Check ALL Hydraulic Hoses for Damage/Leaks	
	✓	Check ALL Wiring for Damage & Correct Routing	
	✓	Check for Air Leaks ALL Points	
	✓	Check Battery Electrolyte Level	
	✓	Clean & Check Battery Terminals-Holding Clamp	
	✓	Check Tyre Pressures & Tyre Condition	
	✓	Carry Out FULL Function/Operate Test Drive	
	✓	Transmission Pre-select Downshift to 3rd	
	✓	Check Exhaust Brake Operation	
	✓	Lift Test Weight if Available	
	✓	Check LMI Calibration	

Note: ALL items MUST be "Ticked" if carried out / "Crossed" if not carried out / marked "N/A" if not applicable.

R = Repair C = Completed

R	C	500 Hour Service Schedule	Comments
	✓	Carry Out 250 Hour Service Schedule	
		Add the Following:	
	✓	Change Engine Oil Filter	
	✓	Change Engine Oil	
	✓	Change Hydraulic Oil Return Filter	
	✓	Change Transfer Case Oil	
	✓	Change Front Differential Oil	
	✓	Change Rear Differential Oil	
	✓	Change Planetary Reduction(s) Oil	
	✓	Adjust Rear Boom Pivot Bearings	
—	—	Change Winch Gearbox Oil	
—	—	Change Winch Brake Oil	

		1000 Hour Service Schedule	Comments
	✓	Carry Out 250 / 750 Hour Service Schedule	
	✓	Carry Out 500 Hour Service Schedule	
		Add the Following:	
	✓	Change Primary (Outer) Air Filter Element	NOT Applicable on 100 Hour Service
	✓	Change Safety (Inner) Air Filter Element	NOT Applicable on 100 Hour Service
	✓	Replace Fuel Filter Element	
	✓	Replace Fuel Pre-filter Element	
	✓	Adjust Valve Clearances	
	✓	Change Cylinder Head Valve Cover Gasket	
	✓	Check & Clean Engine Breather	
—	—	Sample Hydraulic Oil using Kit PP2128300	
		For cranes BEFORE serial no 25324:	
—	—	Change Auto Transmission Oil and filters	NOT Applicable on 100 Hour Service.
		For cranes AFTER serial no 25324:	
	✓	Change Auto Transmission Oil and filters	At 1000hrs or when instructed by oil/filter life monitor if sooner,
			Not applicable on 100 Hour Service. Not applicable to
			transmissions filled with synthetic oil.

		2000 Hour Service Schedule	Comments
	✓	Carry Out 250 / 750 Hour Service Schedule	
	✓	Carry Out 500 Hour Service Schedule	
	✓	Carry Out 1000 Hour Service Schedule	
		Add the Following:	
	✓	Change Engine Coolant	
	✓	Check Wear Pad "Clearance" & Boom Alignment	If Wear is Out Limits Strip & Remove ALL Pads

		5000 Hour Service Schedule	Comments
		Inspect counterweight boss for wear, damage or weld cracks	

Note: ALL items MUST be "Ticked" if carried out / "Crossed" if not carried out / marked "N/A" if not applicable.

R = Repair C = Completed

R	C		Additional Faults Identified:
		1	
		2	
		3	
		4	
		5	
		6	
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		35	

Note: ALL items MUST be "Ticked" if carried out / "Crossed" if not carried out / marked "N/A" if not applicable.

R = Repair C = Completed

R	C		Additional Faults Identified Continued:
		36	
		37	
		38	
		39	
		40	
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		43	
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		66	
		67	

Service carried out by: _____ **Signature:** _____

Service carried out by: _____ **Signature:** _____

CSN: 25432
Date:

RAISED SECTION FROM WEARPAD PUSHING UP APPROX 3mm

Boom Straightness Measurements

TEREX

QF109A

END OF BOOM BENT 12mm approx

Vertical Bend Top	0	0	0	1	0	2	2	4	3	3	1	12
	6m	5.5m	5m	4.5m	4m	3.5m	3m	2.5m	2m	1.5m	1m	0.5m	0m
Vertical Bend Bottom					0	0	0·5	0·5	0·5	0			

Horizontal Bend LHS				0	0·5	0·5	10·5	+1	0	1		
	6m	5.5m	5m	4.5m	4m	3.5m	3m	2.5m	2m	1.5m	1m	0.5m	0m
Horizontal Bend RHS					0	0	0	0·5	0·5	0·5	0		

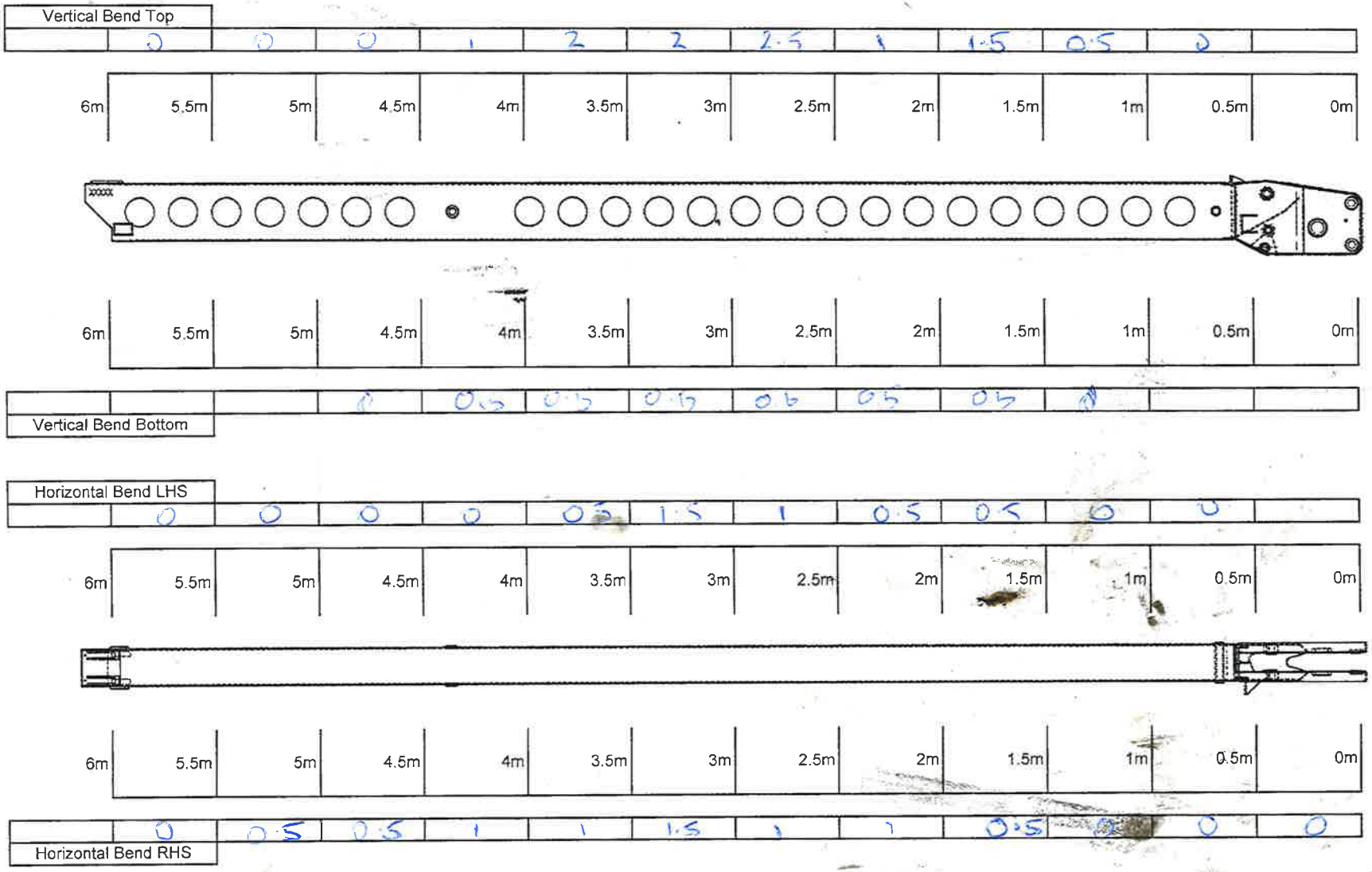
Terex Lifting Australia Pty Ltd 585 Curtin Ave East Eagle Farm, QLD 4009 TEL +617-3868-9600 FAX +617-3268-2489 www.terex.com.au

CSN:
Date:

Boom Straightness Measurements

TEREX.

QF109A



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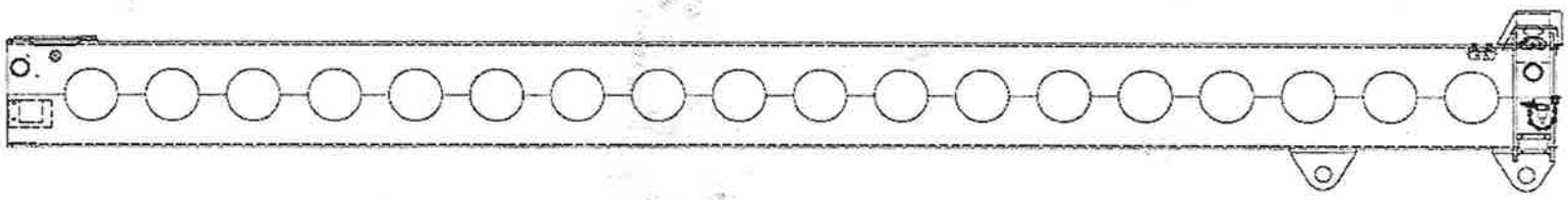
CSN:
Date:

Boom Straightness Measurements

TEREX

QF109A

Vertical Bend Top	0	1	1.5	1.5	2	2	1.5	2	2	1	1.5	0
	6m	5.5m	5m	4.5m	4m	3.5m	3m	2.5m	2m	1.5m	1m	0.5m	0m



	6m	5.5m	5m	4.5m	4m	3.5m	3m	2.5m	2m	1.5m	1m	0.5m	0m
Vertical Bend Bottom			0	0.5	0.5	1	0.5	0.5	0.5	0			

Horizontal Bend LHS	0	0.5	0.5	0.5	1	1	1	0.5	0	0	0	0
	6m	5.5m	5m	4.5m	4m	3.5m	3m	2.5m	2m	1.5m	1m	0.5m	0m

	6m	5.5m	5m	4.5m	4m	3.5m	3m	2.5m	2m	1.5m	1m	0.5m	0m
Horizontal Bend RHS	0	0	0	0	0.5	0.5	0.5	1	0.5	0.5	0.5	0	0

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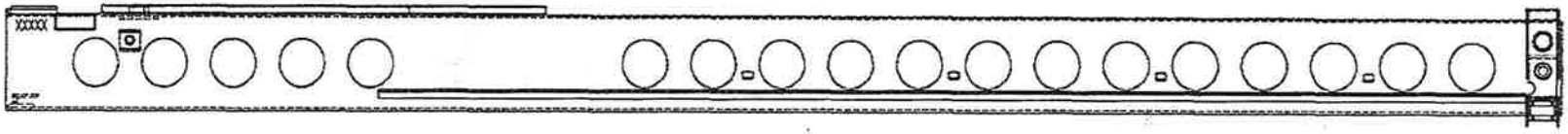
CSN:
Date:

Boom Straightness Measurements

TEREX

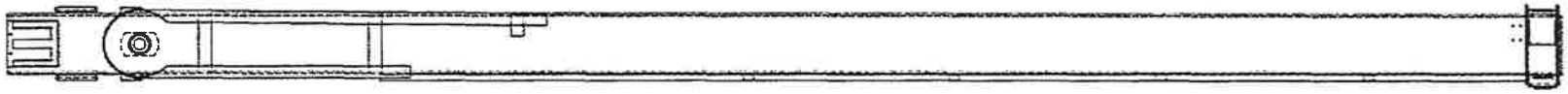
QF109A

Vertical Bend Top	0	1	1	1	1	1.5	1.5	1.5	1	2	1	0
	6m	5.5m	5m	4.5m	4m	3.5m	3m	2.5m	2m	1.5m	1m	0.5m	0m



	6m	5.5m	5m	4.5m	4m	3.5m	3m	2.5m	2m	1.5m	1m	0.5m	0m
Vertical Bend Bottom				0	0.1	0.5	0.5	0.1	0.5	0.5	0		

Horizontal Bend LHS	0	0	0.5	0	0	0.5	0	0	0	0	0	0
	6m	5.5m	5m	4.5m	4m	3.5m	3m	2.5m	2m	1.5m	1m	0.5m	0m



	6m	5.5m	5m	4.5m	4m	3.5m	3m	2.5m	2m	1.5m	1m	0.5m	0m
Horizontal Bend RHS	0	0.5	0.5	0.5	~~0.5~~ 1	1	~~0.5~~ 1	0.5	0.5	0.5	0	0

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Bullivants

CERTIFICATE OF TEST AND EXAMINATION

CERTIFICATE NO. **BM4060173**
Customer: Terex Lifting Australia
Address: 585 Curtin Ave East
Eagle Farm QLD 4009

Date of Report: 17.12.2019
Order No: 4060173
Date of Test: 17.12.2019
Test Equipment: 830133

Test Spec./Standard: Customer requirements

Customers P/O: Not applicable

DISTINGUISHING MARKS	DESCRIPTION OF ARTICLES TESTED	NO. TESTED	TEST LOAD (kN)	W.L.L. TONNE	Ultimate Load	REMARKS TEST LOAD
BB4060173 (Break test)	14mm 35x7 Powerform B1960 RHLL wire rope assembly consists of 18 Din copper ferrule secured solid heart thimble one end, 18 Din aluminium ferrule double swaged soft eye other end.	1	82.4	n/a	182.95	Test piece satisfactory at 82.4kN. Destruction at base of copper ferrule at 182.95 kN. Finishing diameter 36.2mm
BB4060173 1 to BB4060173.27	14mm 35x7 Powerform B1960 RHLL wire rope assembly at 110 metres Terex Part No.: MXC3065E Manufactured by Bullivants Mackay Certified by Bullivants Brisbane	27				Reel number: UAA921460003

NB. Complies with proof testing requirements of the above referenced standard; The proof load and destruction test were done by Grant Henderson in Bullivants Mackay, certified and packed in Bullivants Brisbane.

Visual Examination: Satisfactory

Surface Finish: Black

Customer's marks stamped on test piece(s): Not applicable

Signed by: Julius Abuton
(Approved Signatory)

Signature:

Issued from: Acacia Ridge

Bullivants

CERTIFICATE OF TEST AND EXAMINATION

CERTIFICATE NO. **E3953**
Customer: Terex Lifting Australia
Address: 585 Curtin Ave East
Eagle Farm QLD 4009

Date of Report: 18.03.2020
Order No: 4062265
Date of Test: 18.03.2020
Test Equipment: 830133

Test Spec./Standard: Customer requirements

Customers P/O: N/A

DISTINGUISHING MARKS	DESCRIPTION OF ARTICLES TESTED	NO. TESTED	TEST LOAD (kN)	W.L.L TONNE	Ultimate Load	REMARKS TEST LOAD
BB41070 to BB41075	11mm 6x25 G2070 WRC TIRFOR wire rope assembly consists of 1/2" threaded swage terminal one end only Effective length: 14.15mtrs Terex Part No.: MXC3058A Manufactured by Bullivants Brisbane	6	33	n/a	n/a	New & tested

NB. Complies with proof testing requirements of the above referenced standard;

Visual Examination: Satisfactory

Surface Finish: Galvanised

Customer's marks stamped on test piece(s): Not applicable

Signed by: Shane Williams
(Approved Signatory)

Signature:

Issued from: Acacia Ridge

Bullivants

CERTIFICATE OF TEST AND EXAMINATION

CERTIFICATE NO. **E4204**
Customer: Terex Lifting Australia
Address: 585 Curtin Ave East
Eagle Farm QLD 4009

Date of Report: 18.8.2020
Order No: 4063594
Date of Test: 18.8.2020
Test Equipment: 830133

Customers P/O: 4063594

Test Spec./Standard: Customer requirements

DISTINGUISHING MARKS	DESCRIPTION OF ARTICLES TESTED	NO. TESTED	TEST LOAD (kN)	W.L.L TONNE	Ultimate Load	REMARKS TEST LOAD
BB42329 to BB42342	11mm 6x25 G2070 WRC TIRFOR wire rope assembly consists of 1/2" threaded swage terminal one end only, braised other end. Effective length: 14.15mtrs Terex Part No.: MXC3058D Manufactured by Bullivants Brisbane	14	33	n/a	n/a	New & tested

NB. Complies with proof testing requirements of the above referenced standard;

Visual Examination: Satisfactory

Surface Finish: Galvanised

Customer's marks stamped on test piece(s): Not applicable

Signed by: Michael O'Brien
(Approved Signatory)

Signature:

Issued from: Acacia Ridge

Unique Certificate Number

- 0004164

HYDROSTATIC PRESSURE TEST CERTIFICATE

ADMINISTRATION :

Test Date :	15/05/2020	ENZED Invoice Number :	
Certificate Date :	15/05/2020	Operator :	TREVOR WALTON
Customer :	TEREX	Test Medium :	COLD CLEAN WATER
Customer PO Number :	CSN25432		

NATA CERTIFIED EQUIPMENT :

CHART (If Applicable):

N A T A CERTIFIED TRACEABLE GAUGE
TEST GAUGE : ADDITEL ADT681-20-GP25K-PSI-AF-DL
TYPE : DIGITIAL PRESSURE GAUGE
TEST DATE : 04-02-2020
GAUGE SERIAL NUMBER 211D14130045
CALIBRATION STANDARD: CALIBRATED TO PRESSURE STANDARD BY RISING AND FALLING PRESSURES
CALIBRATION IS BASED ON EURAMET/cg-17/v 01 CALIBRATION OF ELECTROMECHANICAL MANOMETERS
RE-TEST DATE : 04-02-2021
PRESSURE GAUGE CALIBRATION RECORD : 20/52007

TEST ITEM DETAIL :

Number of Test Items	1	Hose Type SAE	1" ISO 18752 CC
Item Type	FLEXIBLE HOSE ASSEMBLY	Hose Part Number (if known)	722TC-16
Item MWP PSI [1]	4000	Internal Diameter	1"
Item Proof Pressure PSI	8000	OAL of Test Piece [2]	4200
Test Standard	ISO1402:2009	Oxygen Cleaned [3]	NO
End 1	11743-16-16	Description 1	SAE FLANGE 45 ELBOW
End 2	10643-16-16	Description 2	FEMALE JIC SWIVEL
PTS ID (if applicable)	E8XZOY4N	CUSTOMER ID (if applicable)	MC25-H-146

[1] - MWP, Maximum Working Pressure, is governed by the hose manufacturer and style. If the hose cannot be identified by manufacturer, SAE J517 shall be referenced for MWP. Failing that, client will specify MWP, or Proof Pressure accordingly.

[2] - Overall Length of Test Piece includes end fittings, but not any adaptors.

[3] - See notes below

NOTE - Pressure values are in PSI throughout this certificate

TEST RESULTS :

Test Time	11:00 AM
Test Duration SECONDS	120
Actual Test Pressure	8000
Time Test Pressure Held (minimum) - 1st increase	60
Time Test Pressure Held (minimum) - 2nd increase	
Or Variance to Specifications (Time Held)	N/A
Pressure Drop (if any)	NIL
Pass / Fail	PASS
Position of Failure (if applicable)	N/A
Mode of Failure (if applicable)	N/A
Unusual Features Noted during test	N/A

Tested By : TREVOR WALTON

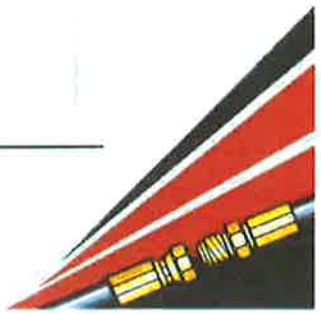
Witnessed By : TROY HALEY

THERE WAS NO EVIDENCE OF LEAKAGE, CRACKING, ABRUPT DISTORTIONS INDICATING IRREGULARITY IN MATERIAL OR MANUFACTURE, OR OTHER SIGNS OF FAILURE.

ITEM DESCRIPTION

NOTES

CHAMPIONSHIP ENTERPRISES (Pty Ltd)
ENZED WELSHPOOL
Office / Works Address : Unit 3, 11 Kewdale Road
Welshpool, WA, 6106
PH : + 61 8 9351 8855
www.enzed.com.au



Unique Certificate Number

- 0004166

HYDROSTATIC PRESSURE TEST CERTIFICATE

ADMINISTRATION :

Test Date :	15/05/2020	ENZED Invoice Number :	
Certificate Date :	15/05/2020	Operator :	TREVOR WALTON
Customer :	TEREX	Test Medium :	COLD CLEAN WATER
Customer PO Number :	CSN25432		

NATA CERTIFIED EQUIPMENT :

N A T A CERTIFIED TRACEABLE GAUGE
TEST GAUGE : ADDITEL ADT681-20-GP25K-PSI-AF-DL
TYPE : DIGITIAL PRESSURE GAUGE
TEST DATE : 04-02-2020
GAUGE SERIAL NUMBER : 211D14130045
CALIBRATION STANDARD: CALIBRATED TO PRESSURE STANDARD BY RISING AND FALLING PRESSURES
CALIBRATION IS BASED ON EURAMET/cg-17/v.01 CALIBRATION OF ELECTROMECHANICAL MANOMETERS
RE-TEST DATE : 04-02-2021
PRESSURE GAUGE CALIBRATION RECORD : 20/52007

CHART (If Applicable):

TEST ITEM DETAIL :

Number of Test Items	1	Hose Type SAE	SAE100R2T 3/8" HOSE
Item Type	FLEXIBLE HOSE ASSEMBLY	Hose Part Number (if known)	301SN-6
Item MWP PSI [1]	4800	Internal Diameter	3/8
Item Proof Pressure PSI	9600	OAL of Test Piece [2]	4750
Test Standard	ISO1402:2009	Oxygen Cleaned [3]	NO
End 1	10643-6-6	Description 1	FEMALE JIC SWIVEL
End 2	13943-8-6	Description 2	FEMALE JIC S/W 90 ELBOW
PTS ID (if applicable)	VZK5OQXT	CUSTOMER ID (if applicable)	MC25-H-143

[1] - MWP, Maximum Working Pressure, is governed by the hose manufacturer and style. If the hose cannot be identified by manufacturer, SAE J517 shall be referenced for MWP. Failing that, client will specify MWP, or Proof Pressure accordingly

[2] - Overall Length of Test Piece includes end fittings, but not any adaptors.

[3] - See notes below

NOTE - Pressure values are in PSI throughout this certificate

TEST RESULTS :

Test Time	11:15AM
Test Duration SECONDS	120
Actual Test Pressure	9600
Time Test Pressure Held (minimum) - 1st increase	60
Time Test Pressure Held (minimum) - 2nd increase	
Or Variance to Specifications (Time Held)	N/A
Pressure Drop (if any)	NIL
Pass / Fail :	PASS
Position of Failure (if applicable) :	N/A
Mode of Failure (if applicable) :	N/A
Unusual Features Noted during test :	N/A

Tested By : TREVOR WALTON

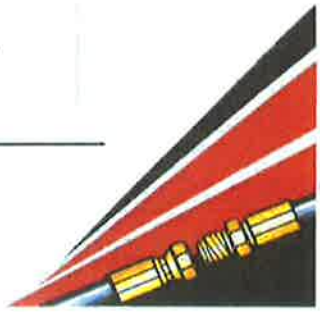
Witnessed By : TROY HALEY

THERE WAS NO EVIDENCE OF LEAKAGE, CRACKING, ABRUPT DISTORTIONS INDICATING IRREGULARITY IN MATERIAL OR MANUFACTURE, OR OTHER SIGNS OF FAILURE

ITEM DESCRIPTION

NOTES

CHAMPIONSHIP ENTERPRISES (Pty Ltd)
ENZED WELSHPOOL
Office / Works Address : Unit 3, 11 Kewdale Road
Welshpool, WA, 6106
PH : + 61 8 9351 8855
www.enzed.com.au



Mobile Crane
LMI Calibration Test Form

Serial Number: 25432 Model: MAC25

TESTING CONDITIONS

Length Calibration: (Allowable Tolerance -2 to 2%)

Configuration	Measured Length (Metres)	Displayed Length (Metres)	Tolerance (Percent)
Fully Retracted (Winch Duty)	6.12	6.10	-0.33%
Fully Extended (Winch Duty)	18.42	18.40	-0.11%

Angle Calibration: (Allowable Tolerance 0 to -3°)

Configuration	Measured Angle (Degrees)	Displayed Angle (Degrees)	Tolerance (Degrees)
Fully Luffed Up	65.00	63.50	-1.50 °
Horizontal	0.00	0.00	0.00 °

Radius Calibration: (Allowable Tolerance 0 to 5%)

Configuration		Measured Radius (Metres)	Displayed Radius (Metres)	Tolerance (Percent)
Duty	101	6.40	6.60	0.16%
Boom Length (Metres)	13.00			
Test Load (Kilograms)	5,200			

Load Tolerance (Allowable Tolerance 0 to 10%, as per AS 1418.5 Section 4.2.6.3.2)

Configuration		Measured Load (Tonnes)	Displayed Load (Tonnes)	Tolerance (Percent)
Duty	101	5.20	5.50	0.05%
Boom Length (Metres)	13.00			
Radius (Metres)	7.00			

Note: Test Load to be 80-100% of SWL for Lifting Radius

HOOK SWIVEL/SWING WITH WEIGHTS TEST :

9t	**PASS** ☐	**FAIL** ☐	**N/A** ☑	**25t**	**PASS** ☑	**FAIL** ☐	**N/A** ☐
15t	**PASS** ☐	**FAIL** ☐	**N/A** ☑	**30t**	**PASS** ☐	**FAIL** ☐	**N/A** ☑
20t	**PASS** ☐	**FAIL** ☐	**N/A** ☑				

AT40, MAC25-4 ONLY: Check 'Motion Cut Operation Boom 3' √or X

Tested By: NICK PAUL Position: Testing Officer

Signature: Date: 6/10/2020

TEREX LIFTING AUSTRALIA PTY LTD

ABN 86 010 671 048
ACN 010 671 048

Curtin Avenue East • P.O. Box 1396 • Eagle Farm QLD 4009 AUSTRALIA
Telephone: (+61) 7 3868 9600 Facsimile: (+61) 7 3268 2489
Internet : www.franna.com.au E-Mail : info@franna.com.au

TC074.002

LOADTEST CERTIFICATE

Owner : TEREX SALES

Address: 585 CURTIN AVE EAST, EAGLE FARM, QLD Contact: ROBIN GHOSH

Appliance Type: FRANNA MAC25 Manufacturers Serial No: 25432

Load Chart Identification: T141604 Owners Fleet No:

Workplace Health & Safety Reg. No:

All testing was performed as per AS1418.5 Cranes (Including Hoists & Winches) Mobile & Vehicle loading cranes.

A) Performance test 100% (CL. 11.5), Following repair.
Test 1. Boom at: Length 13 Metres, Angle 45 Degrees, Radius 6.5 Metres. SWL = 5100kg
100% of SWL = 5100kg
Test weight lifted = 5200kg plus chains **PASS**

Test 2. Boom at: Length 11.6 Metres, Angle 40 Degrees, Radius 6 Metres. SWL = 5600kg
100% of SWL = 5600kg
Test weight lifted = 5600kg plus chains **PASS**

B) Hoist (Winch) Brake test (CL.11.8) 110%. Line pull.
Main. Line pull of winch = 4200kg
110% of line pull = 4620kg
Rope reeved on 1 Parts of line
Test weight lifted = 5005kg **PASS**

This is to certify that the testing described above on 06-10-2020, at Terex Lifting Eagle Farm, was duly witnessed & at the completion of the above testing the crane structure was visually examined to determine any evidence of buckling, permanent deformation, paint cracking & flaking for indications of stress beyond the yield point & other evidence of failure.

Person carrying out test: NICK PAUL **Signature:**

Witness: ARVIE VIDAD **Signature:**

PO Box 5494, Brendale BC, Qld 4500

E info@amapeng.com

W www.amapeng.com

ABN 46 606 629 681

Client:	Terex Australia Pty Ltd, Brisbane, Qld
Project / Job:	Crack Testing MAC 25, S/N 25432
Request / Order No:	PO 18029873
Date of Inspection:	28/8/2020 – 24/9/2020

Testing Carried Out:	Report No:
Eddy current testing of critical welds / components	20B08ET21
Magnetic particle testing of critical welds / components	20B08MT20
Ultrasonic testing of pins / bolts	N/a
Radiographic testing of critical welds / components	N/a
Magnetic particle testing of repairs	20B08MT21

Eddy Current Test Report

AMAP ENGINEERING
PO BOX 5494 Brendale BC, 4500, QLD
Phone: 0458 057 529 Email: info@amapeng.com

Client:	Terex Australia Pty Ltd, Brisbane, QLD	Report No:	20B08ET21	Page No:	1 of 5

Project/Job:	Crack Testing MAC 25, S/N 25432			Request/Order No:	PO 18029873
Area of Item Tested:	Luff Cylinder Mount, Boom Pivot, Lifting Lugs, Butt and Boom Sections				
Test Restrictions:	Nil				

Technical Data

Procedure No:	NDT/ET01/1.0	Test Standard:	ISO 17643	Acceptance Standard (Clause):	AS 2550 / Report findings
Material Specs:	N/a	Surface Condition:	As welded	Coating Type / Thickness:	Paint
Heat Treatment:	N/a	Type of Joint:	N/a	Material Thickness:	N/a

Equipment Details

Probe Type:	632-265-009		-	Detector:	Olympys Nortec 600	
Probe No:	14A00C7M		-	Detector Asset No:	01-08-02	
Frequency:	100kHz		-	Cal Block Material:	Carbon Steel	
Shielding:	Yes		-	Cal Block Asset No:	01-09-04	
FE / NFE:	FE		-			
Configuration:	Bridge		-			
Sensitivity:	Horizontal	Vertical	Horizontal	Vertical		
	71dB	71dB	-dB	-dB		
Phase Angle (°):	89°		-			

Results

An eddy current examination was carried out on the following:

Test Area	Result
Luff Cylinder Mounts	No cracks detected
Boom Pivot	No cracks detected
Butt Section	No cracks detected
Boom Sections	Cracks detected
Miscellaneous	No cracks detected

(See attached photos / drawings)

AMAP Inspector(s)		AMAP Report Approval	
Name:	Adrian Pike	Name:	Aaron Mulder
Certification:	AINDT Cert #5865	Certification:	AINDT Cert #2884
Signature:		Signature:	
Date:	28/8/2020 – 24/9/2020	Date:	30/09/2020

NATA
ACCREDITED FOR TECHNICAL COMPETENCE
19964
Accredited for compliance with ISO/IEC 17025 - Testing

Eddy Current Test Report

AMAP ENGINEERING
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Client:	Terex Australia Pty Ltd, Brisbane, QLD	Report No:	20B08ET21	Page No:	2 of 5

Photographs / sketches - red arrows indicate defects	Pass / Fail / Comments
	Luff Cylinder Mounts No cracks detected
	Boom Pivot No cracks detected

Eddy Current Test Report

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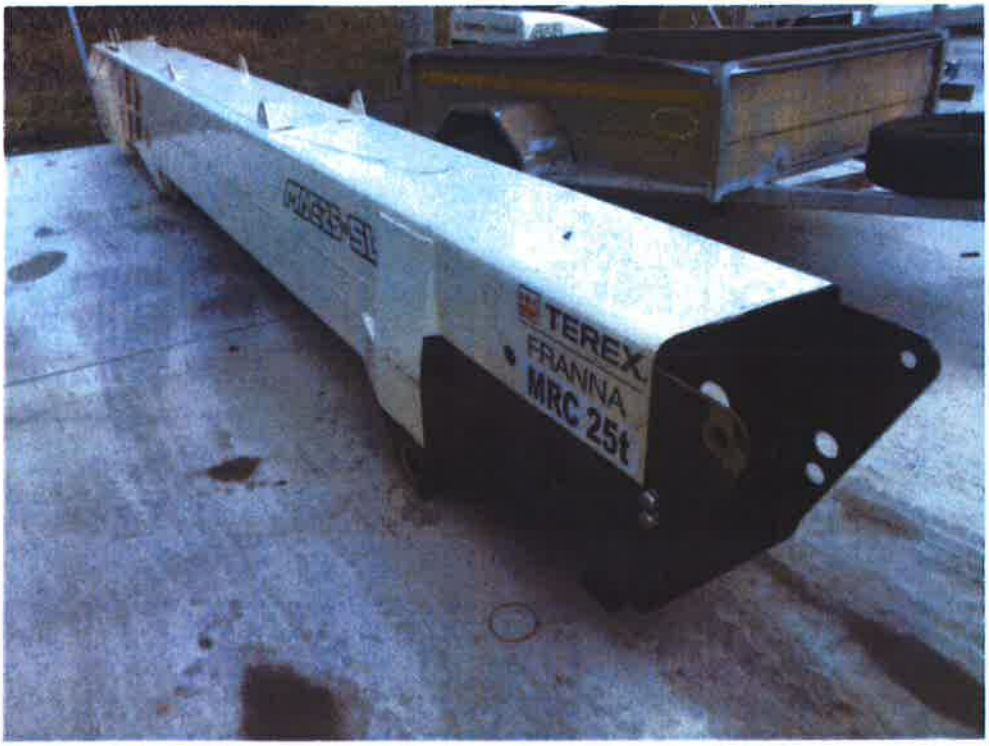
Client:	Terex Australia Pty Ltd, Brisbane, QLD	Report No:	20B08ET21	Page No:	3 of 5

Photographs / sketches - red arrows indicate defects	Pass / Fail / Comments
	Butt Section No cracks detected
	Boom Sections Cracks detected

Eddy Current Test Report

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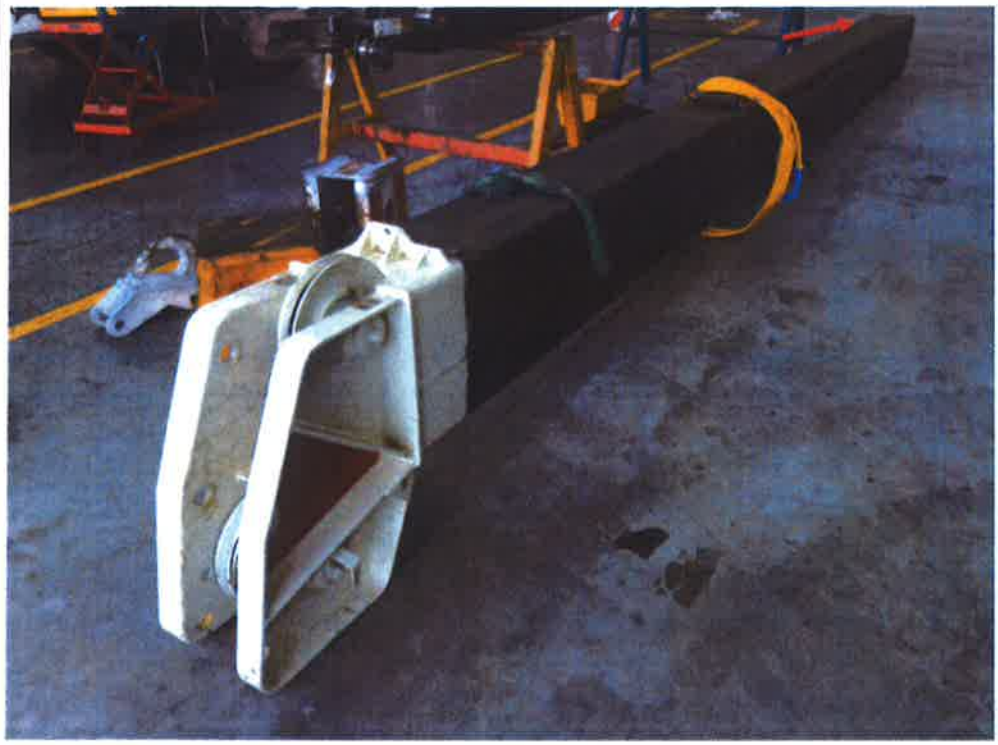
Phone: 0458 057 529 Email: info@amapeng.com

Client:	Terex Australia Pty Ltd, Brisbane, QLD	Report No:	20B08ET21	Page No:	4 of 5

Photographs / sketches - red arrows indicate defects	Pass / Fail / Comments
	Boom Sections Cracks detected
	Boom Section Crack detected

Eddy Current Test Report

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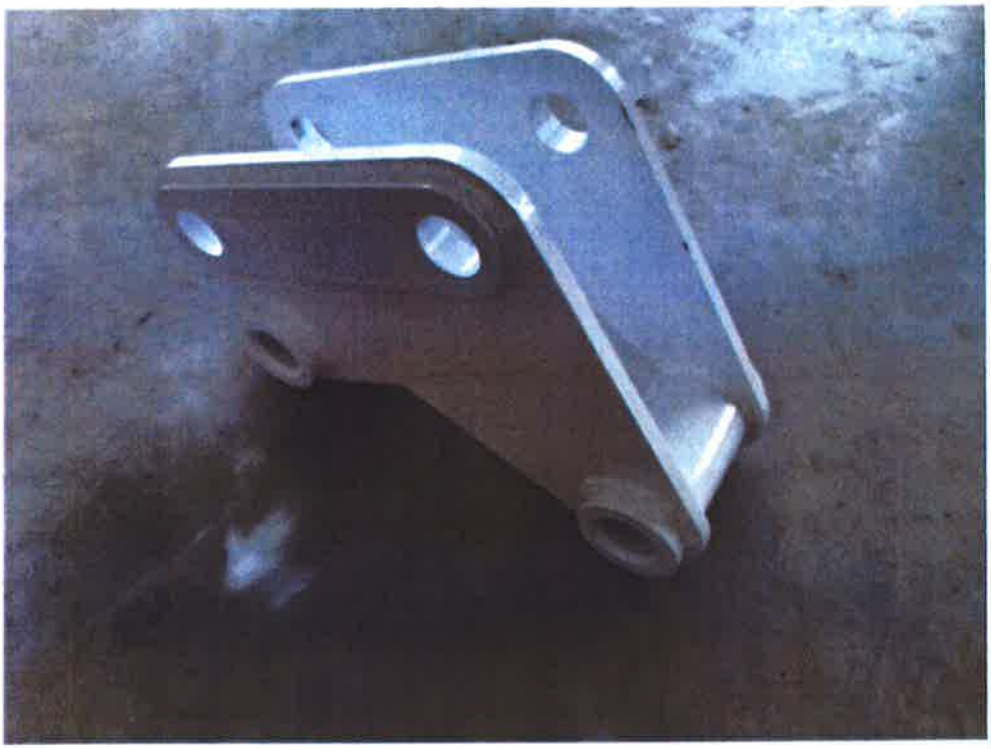
Client:	Terex Australia Pty Ltd, Brisbane, QLD	Report No:	20B08ET21	Page No:	5 of 5

Photographs / sketches - red arrows indicate defects	Pass / Fail / Comments
	Miscellaneous No cracks detected

Magnetic Particle Report

AMAP ENGINEERING
PO BOX 5494 Brendale BC, 4500, QLD
Phone: 0458 057 529 Email: info@amapeng.com

Client:	Terex Australia Pty Ltd, Brisbane, QLD	Report No:	20B08MT21	Page No:	1 of 11

v

Project/Job:	Crack Testing MAC 25, S/N 25432	Request/Order No:	PO 18029873
Area of Item Tested:	Various - Counterweight attachments, cylinders, hooks, block, suspension mounts, steering lugs		
Test Restrictions:	Limited access in places		

Technical Data

Procedure No:	NDT/MT01/1.1	Test Standard:	AS1171:1998	Acceptance Standard (Clause):	AS 2550 / Report findings
Material Specs:	Carbon steel	Surface Condition:	As welded	Surface Temperature:	Ambient, 25°C

Equipment Details

Yoke Brand / Model:	Magnaflux Model Y1 yoke	Yoke Asset No:	#1191
4.5kg Lift Prior to Use:	Passed	Lift Test Bar Asset No:	#0295
Systems Check AS1171 App B3:	Passed	Standard Test Bar Asset No:	A06475
Method of Magnetization:	Magnetic Flow	Demagnetized:	No
Current Source:	Mains AC	Current Strength:	240V
Test Type: (Colour Contrast/Fluorescent)	Colour Contrast	Wet / Dry:	Wet
Lighting Conditions: (Artificial/Natural)	Natural	Ambient Light (Lux):	>1000 Lux
UV Lamp Asset No:	N/a	Calibrated Prior to Use:	N/a

Consumables

	Background	Magnetic Ink	Fluorescent Ink
Test Media:	Smartcheck MPI White	Smartcheck MPI Black	-
Batch No:	04920-4	0120240	-

Results

A magnetic particle examination was carried out on the following:

Test Area	Result
Counterweight Attachments	Cracks detected
Cylinders (spring lock, counterweight), lock mounts and radius arms	Cracks detected
Hooks and Block	Cracks detected
Tele cylinders	No cracks detected
Suspension Mounts	Cracks detected
Steering Lugs	No cracks detected
Spare Wheel / Rim	Cracks detected

(See attached photos / drawings)

AMAP Inspector(s)		AMAP Report Approval	
Name:	Aaron Mulder	Name:	Adrian Pike
Certification:	AINDT Cert #2884	Certification:	AINDT Cert #5865
Signature:		Signature:	
Date:	28/8/2020 – 24/9/2020	Date:	30/09/2020

NATA
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Magnetic Particle Report

AMAP ENGINEERING
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Client:	Terex Australia Pty Ltd, Brisbane, QLD	Report No:	20B08MT21	Page No:	2 of 11

Photographs / sketches - red arrows indicate defects	Pass / Fail / Comments
	Front Counterweight Attachment Crack Detected
	Rear Counterweight Attachment Cracks Detected

Magnetic Particle Report

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Client:	Terex Australia Pty Ltd, Brisbane, QLD	Report No:	20B08MT21	Page No:	3 of 11

Photographs / sketches - red arrows indicate defects	Pass / Fail / Comments
N/A	Steering Cylinders - New
	Radius Arms Cracks Detected

Magnetic Particle Report

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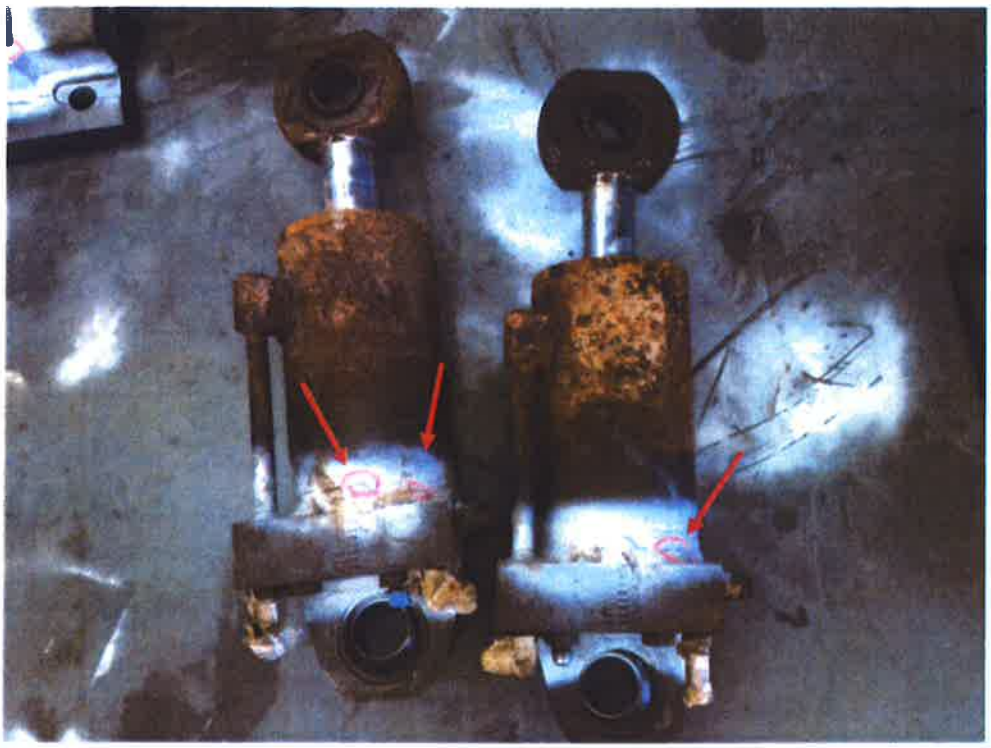
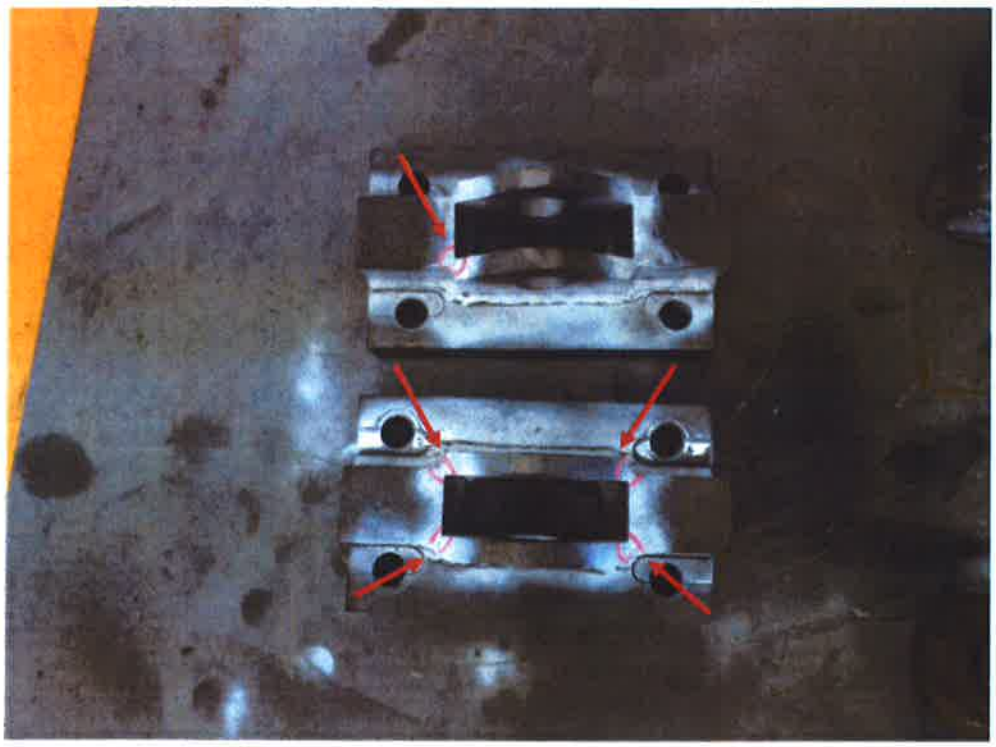
Client:	Terex Australia Pty Ltd, Brisbane, QLD	Report No:	20B08MT21	Page No:	4 of 11

Photographs / sketches - red arrows indicate defects	Pass / Fail / Comments
	Spring Lock Cylinders Cracks Detected
	Spring Lock Mounts Cracks Detected

Magnetic Particle Report

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Client:	Terex Australia Pty Ltd, Brisbane, QLD	Report No:	20B08MT21	Page No:	5 of 11

Photographs / sketches - red arrows indicate defects	Pass / Fail / Comments
	Counterweight Cylinders (1 only tested) No cracks detected
N/A	Luff Cylinders

Magnetic Particle Report

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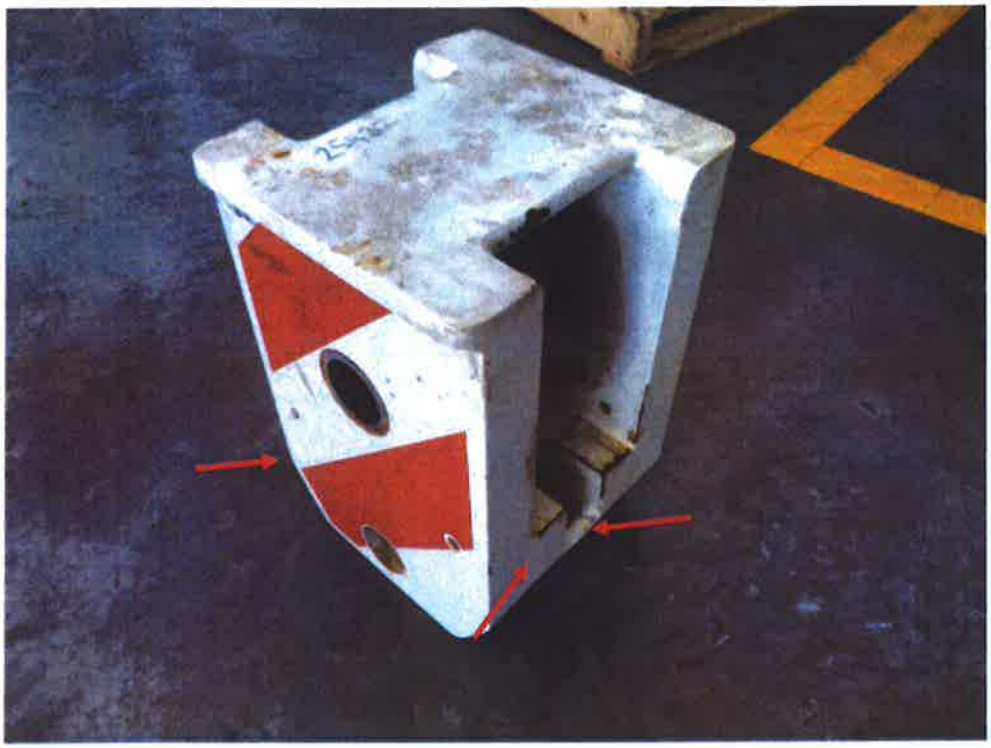
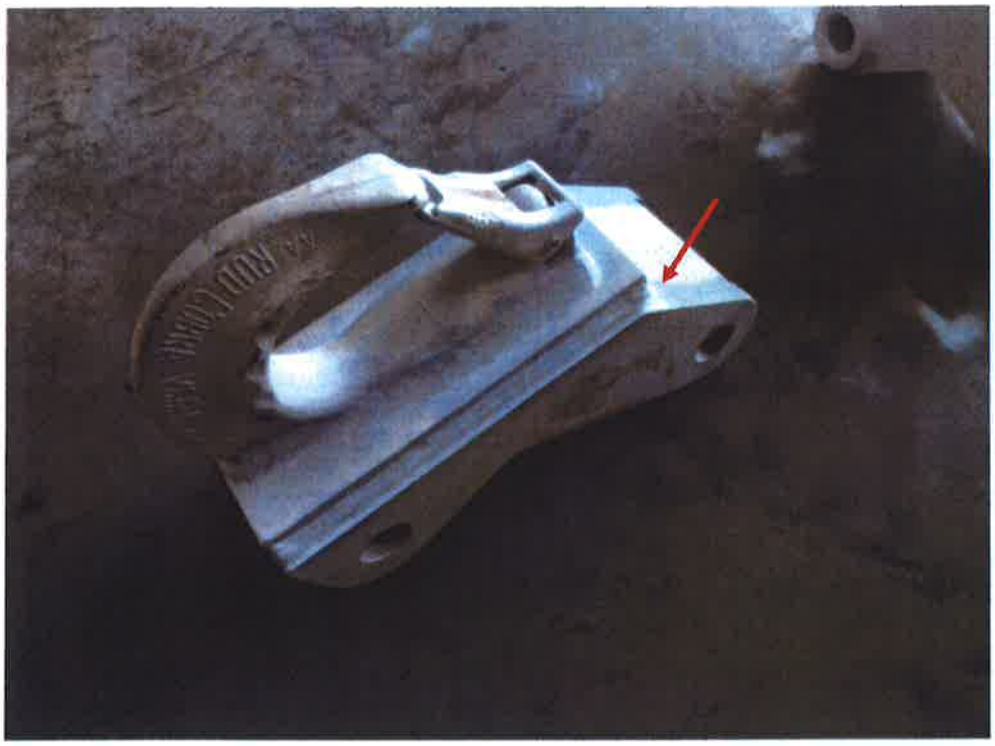
Client:	Terex Australia Pty Ltd, Brisbane, QLD	Report No:	20B08MT21	Page No:	6 of 11

Photographs / sketches - red arrows indicate defects	Pass / Fail / Comments
	Hook Block Cracks detected
	Rhino Hook Cracks detected

Magnetic Particle Report

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Client:	Terex Australia Pty Ltd, Brisbane, QLD	Report No:	20B08MT21	Page No:	7 of 11

Photographs / sketches - red arrows indicate defects	Pass / Fail / Comments
	Tele Cylinder No cracks detected
	Tele Cylinder No cracks detected

Magnetic Particle Report

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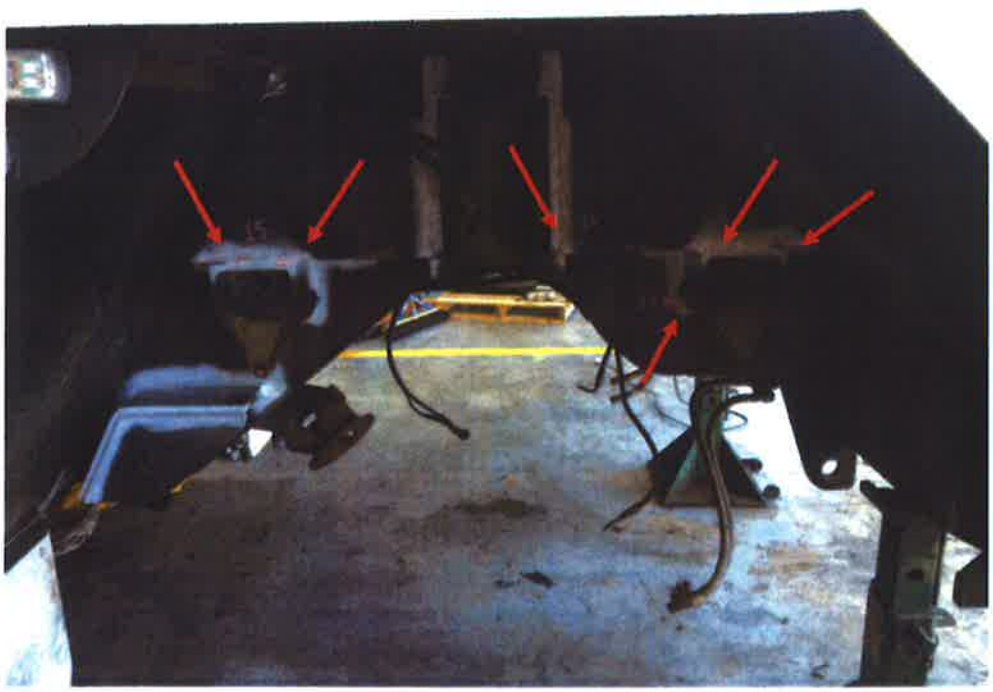
Phone: 0458 057 529 Email: info@amapeng.com

Client:	Terex Australia Pty Ltd, Brisbane, QLD	Report No:	20B08MT21	Page No:	8 of 11

Photographs / sketches - red arrows indicate defects	Pass / Fail / Comments
	Front Suspension Mounts Cracks Detected
	Front Suspension Mounts Cracks Detected

Magnetic Particle Report

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Phone: 0458 057 529 Email: info@amapeng.com

Client:	Terex Australia Pty Ltd, Brisbane, QLD	Report No:	20B08MT21	Page No:	9 of 11

Photographs / sketches - red arrows indicate defects	Pass / Fail / Comments
	Rear Suspension Mounts Cracks Detected
	Rear Suspension Mounts Cracks Detected

Magnetic Particle Report

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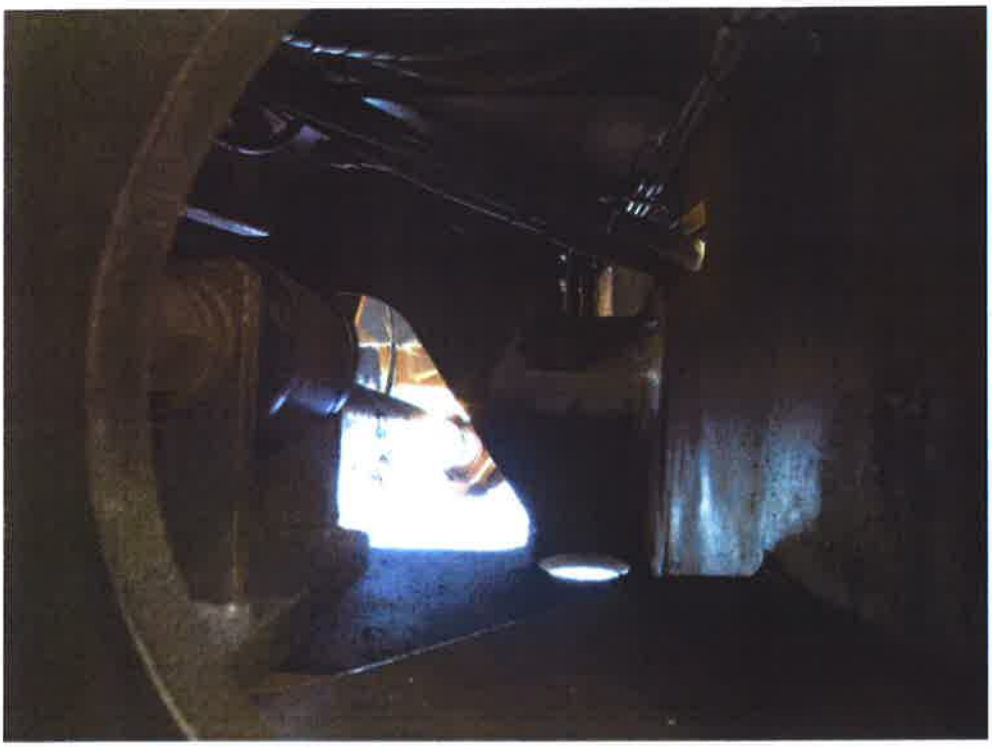
Client:	Terex Australia Pty Ltd, Brisbane, QLD	Report No:	20B08MT21	Page No:	10 of 11

Photographs / sketches - red arrows indicate defects	Pass / Fail / Comments
	Rear Steering Cylinder Mounts - New No Cracks Detected
	Front Steering Cylinder Mounts No Cracks Detected

Magnetic Particle Report

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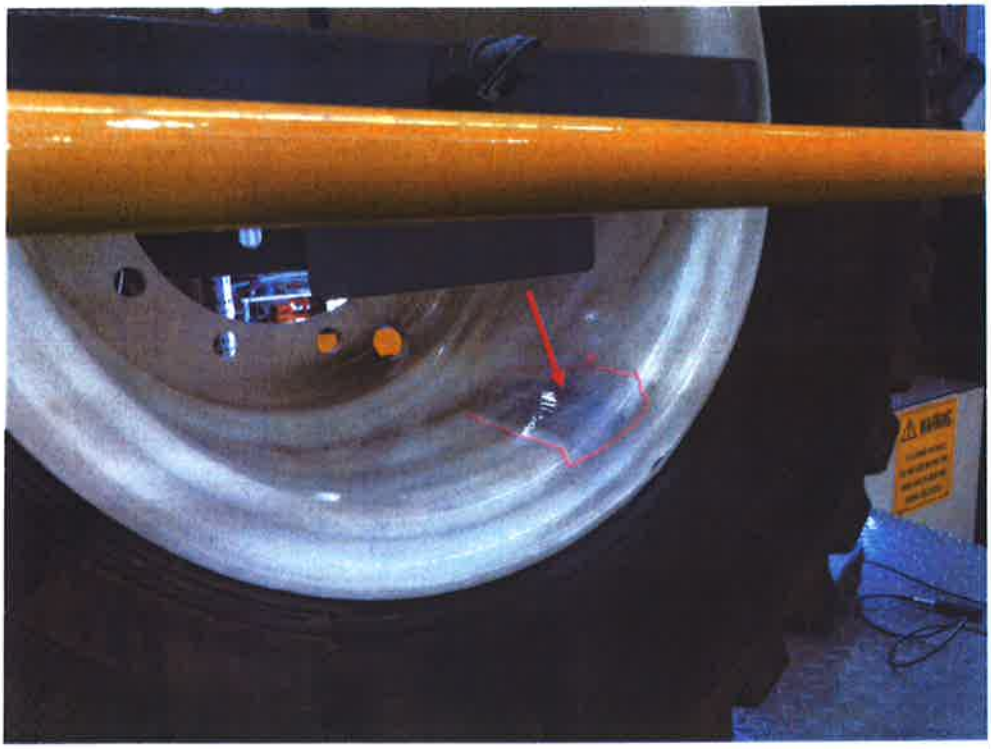
Phone: 0458 057 529 Email: info@amapeng.com

Client:	Terex Australia Pty Ltd, Brisbane, QLD	Report No:	20B08MT21	Page No:	11 of 11

Photographs / sketches - red arrows indicate defects	Pass / Fail / Comments
	Spare Wheel / Rim Cracks Detected

Magnetic Particle Report

AMAP ENGINEERING
PO BOX 5494 Brendale BC, 4500, QLD
Phone: 0458 057 529 Email: info@amapeng.com

Client:	Terex Australia Pty Ltd, Brisbane, Qld	Report No:	20B08MT22	Page No:	1 of 4

Project/Job:	Crack Testing MAC 25, S/N 25432	Request/Order No:	PO 18029873
Area of Item Tested:	Repairs		
Test Restrictions:	Nil		

Technical Data

Procedure No:	NDT/MT01/1.1	Test Standard:	AS1171:1998	Acceptance Standard (Clause):	AS 2550 / Report findings
Material Specs:	Carbon steel	Surface Condition:	As welded	Surface Temperature:	Ambient, 25°C

Equipment Details

Yoke Brand / Model:	Magnaflux Model Y1 yoke	Yoke Asset No:	#1191
4.5kg Lift Prior to Use:	Passed	Lift Test Bar Asset No:	#0295
Systems Check AS1171 App B3:	Passed	Standard Test Bar Asset No:	A06475
Method of Magnetization:	Magnetic Flow	Demagnetized:	No
Current Source:	Mains AC	Current Strength:	240V
Test Type: (Colour Contrast/Fluorescent)	Colour Contrast	Wet / Dry:	Wet
Lighting Conditions: (Artificial/Natural)	Natural	Ambient Light (Lux):	>1000 Lux
UV Lamp Asset No:	N/a	Calibrated Prior to Use:	N/a

Consumables

	Background	Magnetic Ink	Fluorescent Ink
Test Media:	Smartcheck MPI White	Smartcheck MPI Black	-
Batch No:	04920-4	0120240	-

Results

A magnetic particle examination was carried out on the following:

Test Area	Result
Repairs	No cracks detected

(See attached photos / drawings)

AMAP Inspector(s)		AMAP Report Approval	
Name:	Adrian Pike	Name:	Aaron Mulder
Certification:	AINDT Cert #5865	Certification:	AINDT Cert #2884
Signature:		Signature:	
Date:	28/8/2020 – 24/9/2020	Date:	30/09/2020

NATA
ACCREDITED FOR TECHNICAL COMPETENCE
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Magnetic Particle Report

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Phone: 0458 057 529 Email: info@amapeng.com

Client:	Terex Australia Pty Ltd, Brisbane, Qld	Report No:	20B08MT22	Page No:	2 of 4

Photographs / sketches - red arrows indicate defects	Pass / Fail / Comments
	Counterweight Attachments - Rear No cracks detected
	Counterweight Attachments - Front No cracks detected

Magnetic Particle Report

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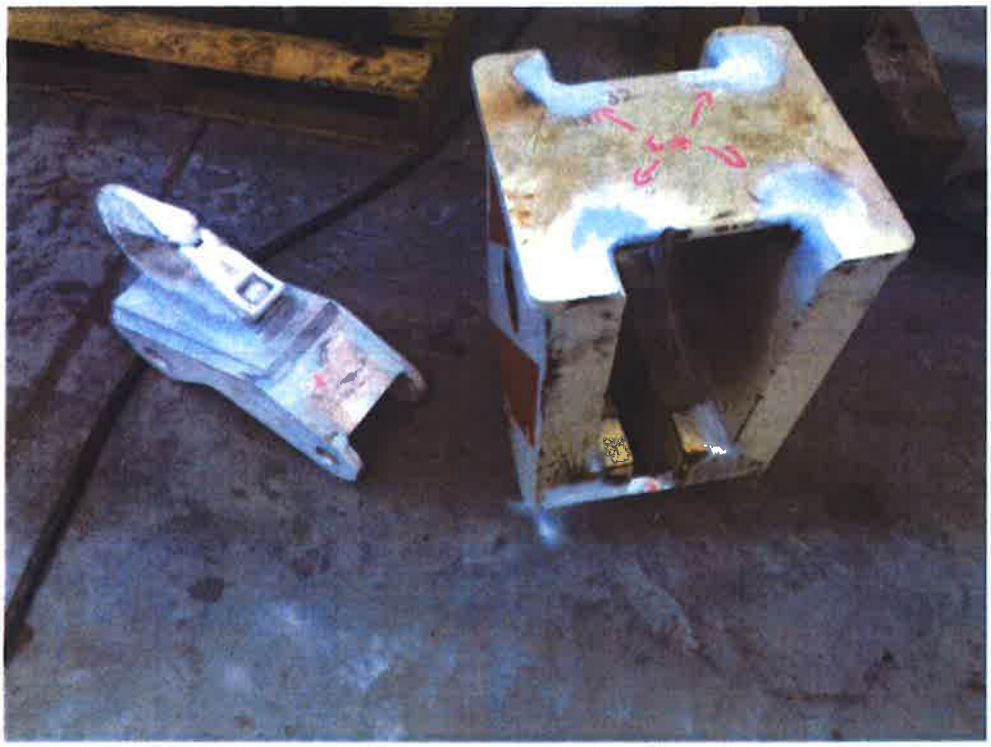
Client:	Terex Australia Pty Ltd, Brisbane, Qld	Report No:	20B08MT22	Page No:	3 of 4

Photographs / sketches - red arrows indicate defects	Pass / Fail / Comments
	Rhino and Block No cracks detected
	Boom No cracks detected

Magnetic Particle Report

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Client:	Terex Australia Pty Ltd, Brisbane, Qld	Report No:	20B08MT22	Page No:	4 of 4

Photographs / sketches - red arrows indicate defects	Pass / Fail / Comments
	Boom No cracks detected
	All Suspension Mounts No cracks detected

Component	Component Description	Issued
16C1427	PLAQUE 15T SPREADER BAR LOAD CHART	1
16C2191	WEAR PAD REAR MAIN BOOM	1
16C2192	WEAR PAD MID MAIN BOOM	1
C1116	PLAQUE DIESEL	1
C1226	WEAR PAD SPRING HANGER 287	4
C1343	ARM RETAINER SPREADER BAR	2
C2276	STICKER WARNING CRUSHING OBJECT	1
FIBH12C064H	BOLT HEX 3/4" UNC X 4" GR.8 ZP	4
FINL36FH	NUT HEX 2.1/4" UNF HALF LOCK GR.8 BLK	4
FMUS06C020L	SCREW SOC CAP M6 X 1P X 20 ZP	1
M0616	BUSH BRONZE SHEAVE	1
M1612B	RING LOCK WEAR PAD	6
M1659	PIN ROPE GUIDE DEFLECTOR SHEAVE	1
M1684	ROLLER DEFLECTION 2ND EXTENSION	1
M1685	SHAFT DEFLECTION 2ND EXTENSION	1
M1688	WEAR PAD ADJ ONE PIECE SHORT	6
MXC1041	RETAINER PLATE C/PIVOT	2
MXC1280	PLATE SPREADER BAR HOOK	2
MXC3033	COLLET HYDRAULIC HOSE (PAIR)	2
MXC3047	WEAR PAD BUTT FRONT	2
MXC3048	WEAR PAD 1ST EXTENSION FRONT	2
MXC3049	WEAR PAD 2ND EXTENSION FRONT	2
MXC3050	WEAR PAD 1ST EXTENSION REAR TOP	2
MXC3051	WEAR PAD 2ND EXTENSION REAR TOP	2
MXC3052	WEAR PAD 12MM 150 X 50	4
MXC3053	WEAR PAD 14MM 150 X 50	4
MXC3054	WEAR PAD 16MM 150 X 50	4
MXC3058	ROPE RETRACT	1
MXC3064	WEAR PAD CYL GUIDE	1
MXC3093	WEAR PAD 20MM 150 X 50	2
MXC3148	WEAR PAD 43MM 150 X 25	1
MXC3149	WEAR PAD 34MM 150 X 50	1
MXC3150	WEAR PAD 15.5MM 150 X 50	1
MXE1065	LEAD EARTH BRAIDED BOOM	1
MXH006	HOSE E/STEER PUMP TO PORT 'EP'	1
MXH012	HOSE STEERING CROSSOVER	2
MXH074	HOSE TELE PRIMARY IN UPPER BOOM	1
MXH087	HOSE 4.5" EXTENSION CYL	2
MXH124	HOSE 2" FILTER RETURN	1
MXH143	HOSE PUMP LOAD SENSE PIPE TO MAN	1
MXH145	HOSE 2" SUCTION MAIN	1
MXH148	HOSE MOTOR BULKHEAD WINCH	1
MXM1012	PIN STEERING CYL	4
MXM1013	WASHER STEERING CYL PIN	4
MXM1022	ROD RADIUS FIXED	2
MXM1026	SPACER STEERING BEARING	4
MXM1039	PIN SUSPENSION CYL UPPER	2
MXM1040	PIN SUSPENSION CYL LOWER	2
MXM1043	PLATE TOP SPRING RETAINER	2

MXM2015	LUG STEERING REAR BODY LH SIDE	1
MXM2016	LUG STEERING REAR BODY RH SIDE	1
MXM3015	PIN BOOM PIVOT REAR ADJUSTABLE	2
MXM3016	SLEEVE PIN LUFF CYL LOWER	2
MXM3017	SLEEVE SHOULDER LUFF PIVOT LOWER	2
MXP0611	PLATE WASHER PIN RETAINER UPPER	2
MXP0612	PLATE WASHER PIN RETAINER LOWER	2
PL16C2187	SPREADER BAR 15 TONNE	1
PLMXC1175	STOP RUBBER C/WEIGHT	4
PLMXC1351	SPREADER BAR HOOK RETAINING PIN	2
PLMXC3152	SWITCH ANTI TWO-BLOCK	1
PLMXM3018	PIN LUFF CYL LOWER	1
PP0201012	BUSH SUSPENSION	8
PP0303700	CIRCLIP 75MM BORE INTERNAL	4
PP0401900	SPRING 13MM THK 9 LEAF	2
PP0402100	PIN KIT SUSPENSION ARM	8
PP0622600	BEARING 65 ID DEEP GROOVE	8
PP0716700	ELBOW 7/8" JIC F X 1/2" HOSE PUSH	1
PP0726600	HOSE 1/2" PUSHLOC	2
PP0900500	PIN 1/4" DIA X 1.1/2" LYNCH	3
PP1600216	BEARING 70 ID SPHERICAL PLAIN	2
PP1600416	BEARING 45 ID DEEP GROOVE	2
PP1600716	BEARING 20 ID DEEP GROOVE	1
PP1612116	SEAL DOOR RUBBER	3
PP1802600	CLIP MINSUP	2
PP1812000	WHEEL STEERING 16" -7/8 X 36 HUB	1
PP1812100	HORN BUTTON C/W TEREX EMBLEM	1
PP1812400	BEARING 75 ID DEEP GROOVE	1
PP1824300	PLUG HIRSCHMAN	2
PP1899950	UNI JOINT 1610 H/R C/W STRAP KIT	1
PP2010000	BEARING 12 ID DEEP GROOVE	2
PP2087700	BEARING 45 ID SPHERICAL PLAIN	4
PP2105000	FILTER 10 MIC ELEMENT RETURN ABS	1
PP2107600	DRAIN RING PULL	3
PP2120300	SEAL RUBBER BULB	1
PP2141300	STUD 7/8" X 465 C/W 2 NUTS 2H	8
PP2192500	PLUG 22MM HOLE PLASTIC	4
PP2193300	WHEEL 20" X 10" ISO 10 STUD 335 FW	9
PP2248700	CLAMP 8MM SINGLE LIGHT SERIES	1
PP2259900	VALVE C/WEIGHT CONTROL CL/CENTRE	1
PP2280600	FILTER ELEMENT OIL OM906	1
PP2280700	FILTER ELEMENT FUEL PRE OM906	1
PP2280800	FILTER ELEMENT FUEL MAIN OM906	1
PP2280900	SEAL GASKET CYL HEAD COVER	1
PP2285200	FILTER ELEMENT PRIMARY AIR FHG14	1
PP2285300	FILTER ELEMENT SAFETY AIR FHG14	1
PP2285400	FILTER KIT MAIN AND AUX 3000 SERIES	1
PP2319600	HANDLE C/W 2 WAY MOMTRY PUSH SWITCH	1
PP2341100	PEDAL ACCEL ELECTRIC	1
PP2346300	RADIO CD/MP3/WMA BLUETOOTH	1

PP2388800	CONNECTOR R1/8K HP PUSH-IN STRAIGHT GREASE	4
PP2393900	DUST CAP BEKA MAX	10
PP8004177	CAP 50 DIA 0.7BAR RADIATOR LEVER RELEASE	1
T128350	SEAT ARM REST ISRI LH SIDE 07074-13/00	1
T128351	SEAT ARM REST ISRI RH SIDE 07073-13/00	1
T128702	WINCH SW45 TF 4200kg DYNAMIC OIL	1
T133758	TERMINAL CRIMP FCI 1.5mm	5
T135354	LMI WIRE ROLLER MODIFICATION	2
T138325	HOSE C/W PRESSURE PUMP TO SOLENOID	1
T138327	HOSE C/W PRESSURE SOLENOID TO LS	1
T138348	MAGNET M3.0	1
T138353	CYLINDER HYD 150 1765 LUFF ADJ	2
T138769	BRACKET SL CWEIGHT DETECTION	1
T138770	FOOT PLATE SL CWEIGHT DETECTION	1
T138774	HOSE MOTOR BULKHEAD WINCH MAC 25-4	1
T141607	ASSY DYNAMIC LMI MAC 25 SL RETROFIT	1
T147373	CYLINDER HYD 105 120 SUSPENSION	2
T148321	HARNESS PATCH 3RD EXT PROTECTION	1
T148322	DECAL RELAY 3rd EXT PROTECTION	1
T149920	INSTRUCTIONS MAC25 3RD EXT PROTECTION	1
T149922	ASSY RETRO FIT KIT MAC25 3RD EXT PROTECTION	1
T150131	2 PIN DEUTSCH PLUG KIT	3
T151246	TYRE 14.00-20 PR20 KUMHO	1
T159243	ELBOW SWIVEL R1/8 HP 6MM PUSH-IN GREASE	3