



OF CRAWLER CRANE

Certificate Registration No.: 81888

Job order no.: JOD-2022-05-12868

Place of Inspection: FREE PORT, AUH

			Aertssen Machinery Services Ltd P.O. Box: 40196 - Abu Dhabi - UAE						
Name and address of the manufacturer / supplier of the equipment:			Terex Demag						
Type of crane and nature of power (e.g.	mobile telescopic-hydrauli	c):	Diesel Powered, Hydraulic, Lattice Boom,Crawler Crane						
Type of inspection			Initial	Peri Peri	iodic	М м	ajor 🗌		
Date of manufacture of crane:	2009		Identification (e.g. makers serial number, Owner ID: C2492 owners identifying mark):			92, Reg No: 58235/6 AD			
Make and type of safe load indicator:	Terex AML		Chassis no.: 4305			43051	51		
Model / Type:	CC2400-1		Rated capacity: 400.0				D t		
Date of previous test of crane:	05/07/2018 TUV R Cert		Date of of crane:	Date of previous thorough examination 11/12/2021 TUV R, Cert # 77426 of crane:					
Safe working load or loads:		Length of jib	(m)	Radius (m)	Test L	.oad (Tonne)	Safe working Load (Tonne)		
Present Configuration Boom Length: 60.0m		60.0		9.0		Nil	192.0		
Main wire rope 28.0mm Dia. @ 9 Falls M 160 t , Weight: 1,660 Kg	ain hook block capacity:	60.0		18.0		Nil	94.3		
Aux wire rope 28.0mm Dia. @ Single Fall Aux hook block capacity: 15.0 t Counter Weight: 160t + 40t Single line pull: 15.0 t		60.0		42.0		27.0	27.0		
		60.0 (Aux)		20.0	20.0		15.0		
Tested at 360 Deg. Slew Rotation									
Maximum radius at which the jib or jibs may be worked (in metres): Refer Load Chart									
Defects noted and alterations or repairs r put into service (if none enter "none"):	equired before crane is	None							
		RECORD OF	INSPEC	TION					
Date of inspection:	24/05/2022		Date of next load test: N/A or after repair or modification				air or modification		
Suitable for service:	YES 🔽 NO		Date of next thorough examination: 23/05/20			23/05/2023	:023		
Reference standard:	BS 7121-2-1&3:2012		TÜVR Inspection Procedure Ref.: MS-004				44494 REV.01		
Equipment / Tools used:			DXB-TR	RME-IS-04, DXB-TRME-I	S-16,DX	-TRME-IS-17			
I CERTIFY THAT the item described abo	ove was examined in the p	rescribed manner	r and all p	parameters mentioned at	oove wer	e correct at the t	ime of inspection.		
Name of the competent person:	Ijas Muhammed			Reviewed by:		Ezhilarasan Asaithambi			
Signature / stamp:	M22	101-Industrial	service	Signature / stan	Signature / stamp :				
 This document complies with ILO Convention No. 152. This document complies with the requirements of the Lifting Operations and Lifting Equipment Regulations 1998 (LOLER). This document complies with the LEEA code of practice for the safe use of lifting equipment 									

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	S	NS	N/A	Remarks	
Certification			I		
OEM's Document	\geq				
Operator's handbook/Manual	\leq				
Operator Competency Certificate	\leq				
Structural Condition					
Paintwork	\geq				
Oil spillage	\geq				
Appearance	\geq				
Maintenance					
Counter weights & its fittings	Z			CW: 160t & Ballast Wt:40t	
Outriggers	/				
Outriggers			\geq		
Outrigger operation			$\mathbf{\Sigma}$		
Hydraulic cylinders, hoses			\checkmark		
Locking pins			\square		
Tracks & Tires					
Track and Track pin condition	\geq				
Steering controls and pins	\geq				
Tire conditions & Pressure			\geq		
Boom / Telescopic					
Smooth operation					
Welded connections			\geq		
Fixing bolts, pins & other fasteners			\geq		
Wear pads			\geq		
Heel pins			\geq		
Hydraulic cylinders			\leq		
Hydraulic hoses			Z		
Extending wire rope			\geq		
Boom tip sheaves & fixings			\sim		
Sheave guard			\sim		
Paint condition			\geq		
Navigation and floodlights			\checkmark		
Boom / Lattice Section					
Main Chords	\checkmark				
Intermediate Bracing	\geq				
Welded connections	\geq				
Joints, bolts or pins	\geq				
Form Code : MC 0025024					

Form Code : MS-0025924 TÜV Rheinland Middle East P.O.Box 293542, Dub

www.tuv.com www.tuv.com/me P.O.Box 293542, Dubai Tel. +971 4 233 9000 / Fax: +971 4 233 9099 Email: energy@uae.tuv.com Issue Date :25/05/2022

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Boom foot bearings / bushes	K		
Paint work	\checkmark		
Walkway and hand rails	\checkmark		
Sheaves / brackets and pins	\checkmark		
Sheave guards	\checkmark		
Rope Anchors and pins	\checkmark		
Navigation and floodlights			
Operator Ccabin & Control			
Cabin condition	\checkmark		
Electrics			
Manufactures rating charts			
Access and egress			
Ladders / platforms / handrails			
Control markings			
Control operation			
Windscreen wipers			
Horn, Lights and indicators	\checkmark		
Main & Aux. Hoist Winches			
General condition	N		
Mountings	\leq		
Rope spooling	\checkmark		
Clutches & Brakes	\checkmark		
Limit switches	\checkmark		
Wire Rope – Main Hoist	-		
Specifications	\checkmark		
Broken wires			
Weariness	\checkmark		
Wire Rope – Auxiliary Hoist			
Specifications	\checkmark		
Broken wires			
Weariness	\checkmark		
<u>Wire Rope – Others</u>			
Pendant rope assembly including pins, fixings			
Condition & operations of boom hoist rope			
Hook Blocks – Main		_	
Capacity marking			
Capacity marking			
Sheave	\checkmark		
Safety Latching Mechanism	\sim		

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Hock Bend ortwishImage: Section of Sectin of Section					
Hock WearImage: Selection of the	Hook Bend or twist	Z			
Hock SurveyBearingImage: Constraint of the second seco	Hook opening	Z			
Hock Bend or twistImage: Section of twistHock Blocks – AuxiliaryImage: Section of twistCiguedy markingImage: Section of twistWeight markingImage: Section of twistSheaveImage: Section of twistSheaveImage: Section of twistSold of twistImage: Section of twistHock Bend or twistImage: Section of twistHock Rend Rend TrainingImage: Section of twistHock Rend Rend Rend TrainingImage: Section of twistSeveral BankImage: Section of twistSeveral Gears and guardsImage: Section of twistAll twist KebsImage: Section of twistSeveral Gears and guardsImage: Section of twistAll twist KebsImage: Section of twistSeveral BankImage: Section of twistSeveral Gears and guardsImage: Section of twist of twistAll twist KebsImage: Section of twist	Hook Wear	\checkmark			
Note Blacks - Auxiliary Image: Comparison of the second seco	Hook Swivel/Bearing	\checkmark			
Capacity markingIIIWeight markingIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Hook Bend or twist	\checkmark			
Weight markingImage: SeaveImage: SeaveImage: SeaveImage: SeaveSafety Latching MechanismImage: SeaveImage: SeaveImage: SeaveHook Bend or wistImage: SeaveImage: SeaveImage: SeaveHook Bend or wistImage: SeaveImage: SeaveImage: SeaveHook Bend or wistImage: SeaveImage: SeaveImage: SeaveHook WeerImage: SeaveImage: SeaveImage: SeaveHook Swwel/BearingImage: SeaveImage: SeaveImage: SeaveHook Swwel/BearingImage: SeaveImage: SeaveImage: SeaveStew bearingsImage: SeaveImage: SeaveImage: SeaveMountings and InkagesImage: SeaveImage: SeaveImage: SeaveStew breakImage: Sea	Hook Blocks – Auxiliary				
SheaveIISafey Latching MechanismIIHock Bend or twistIIHock Rend or twistIIStew BearingsIIStew breakIIGears and guardsIIAll limt SwitchesIIStef Devices & Limit SwitchesIICrane Iverling IndicatorIIStein Rend or (Mech)IIMin. Boom angle ImitIIMax. Boom angle ImitIIAnti-two block – Aux hookIIAnti-two block – Aux hookIIInti-two block – Aux hookIIInti-t	Capacity marking	\checkmark			
Safety Latching MechanismIIIHook Bend or twistIIIHook Bend or twistIIIHook openingIIIHook warIIIHook Swivel/BearingIIIBewing MachineryIIIOperationIIISiew bearingsIIIMountings and linkagesIIISiew breakIIIGears and guardsIIIAll limit switchesIIIString alarm/ Reverse alarmIIIBoom angle indicator (Mech)IIIMax. Boom angle limitIIIAnti-two block - Main hookIIIAnti-two block - Aux hookIIIAnti-two block - Aux hookIII	Weight marking	Σ			
Hook Bend or twistImage: Constraint of the second of the seco	Sheave	N			
Hook openingIIIHook wearIIIHook wearIIIHook Swike/BearingIIIStew markingIIIOperationIIIStew bearingsIIIMountings and linkagesIIIStew breakIIIGears and guardsIIIAll imit switchesIIIStev breaksIIIStev breaksIIIGears and guardsIIIAll imit switchesIIIStev breaksIIIStev breaksIIIGears and guardsIIIAll imit switchesIIISwing alami/ Reverse alarmIIIBoom angle indicatorIIIMin. Boom angle limitIIIMax. Boom angle limitIIIAnti-two block – Main hookIIIAnti-two block – Aux hookIII	Safety Latching Mechanism				
Hock wearIIHock WearIIHock Swivel/BearingIIStewing MachineryIIOperationIISitew bearingsIIMountings and linkagesIISitew breakIIGears and guardsIIAll limit switchesIISatery Devices & Limit SwitchesIICrane leveling indicatorIISwing alarm/ Reverse alarmIIBoom angle limitIIMax. Boom angle limitIIAnti-two block – Main hookIIAnti-two block – Main hookIIInti-two block – Aux hookII <td< td=""><td>Hook Bend or twist</td><td>N</td><td></td><td></td><td></td></td<>	Hook Bend or twist	N			
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Slewing Machinery Image: Control of the second	Hook wear				
OperationIIISlew bearingsIIIMountings and linkagesIIISlew breakIIIGears and guardsIIIAll limit switchesIIIStev Devices & Limit SwitchesIIIStrey Devices & Limit SwitchesIIIMin. Boom angle limitIIIMax. Boom angle limitIIIAnti-two block - Main hookIIIAnti-two block - Aux hookIIIAnti-two block - Aux hookIIIImage Devices I Aux hookIIIImage Devices I Aux hookIIIImage Devices I Aux hookIIIImage Devices I Aux hookIII <tr< td=""><td>Hook Swivel/Bearing</td><td></td><td></td><td></td><td></td></tr<>	Hook Swivel/Bearing				
Slew bearingsIIIMountings and linkagesIIISlew breakIIIGears and guardsIIIAll limit switchesIIISafety Devices & Limit SwitchesIIICrane levelling indicatorIIISwing alarm/ Reverse alarmIIIBoom angle indicator (Mech)IIIMin. Boom angle limitIIIMax. Boom angle limitIIIAnti-two block – Main hookIIIAnti-two block – Aux hookIII	Slewing Machinery	14	A		
Mountings and linkagesImage: Constraint of the second	Operation				
Slew break Image: Constraint of the second seco	Slew bearings	\checkmark			
Gears and guardsImage: Comparison of the	Mountings and linkages	K			
All limit switches Safety Devices & Limit Switches Crane levelling indicator Swing alarm/ Reverse alarm Boom angle indicator (Mech) Imin. Boom angle limit Min. Boom angle limit Max. Boom angle limit Anti-two block – Main hook Anti-two block – Aux hook	Slew break	K			
Safety Devices & Limit Switches Crane levelling indicator Crane levelling indicator Swing alarm/ Reverse alarm Boom angle indicator (Mech) Image indicator (Mech) Min. Boom angle limit Max. Boom angle limit Anti-two block – Main hook Anti-two block – Aux hook	Gears and guards	K			
Crane levelling indicatorIIISwing alarm/ Reverse alarmIIIBoom angle indicator (Mech)IIIMin. Boom angle limitIIIMax. Boom angle limitIIIAnti-two block - Main hookIIIAnti-two block - Aux hookIII		K			
Swing alarm/ Reverse alarm Swing alarm/ Reverse alarm Boom angle indicator (Mech) Image Indicator (Mech) I					
Boom angle indicator (Mech) Image: Company of the	Crane levelling indicator	\sim			
Min. Boom angle limit Image: Company of the company	Swing alarm/ Reverse alarm				
Max. Boom angle limit Image: Comparison of the second se	Boom angle indicator (Mech)			$\mathbf{\Sigma}$	
Anti-two block – Main hook Image: Constraint of the second seco	Min. Boom angle limit				
Anti-two block -Aux hook	Max. Boom angle limit				
	Anti-two block – Main hook				
RCI/L including measurement of load, moment & radius	Anti-two block –Aux hook				
	RCI/L including measurement of load, moment & radius				

Legends: • S - SATISFACTORY • NS - NOT SATISFACTORY • N/A - NOT APPLICABLE

A. Item to be corrected/rectified without delay:

B. Remarks and recommendation:

determine the overall component quality, no guarantee is made nor liability assumed by TRME for the component quality or serviceability, inspection Certificate/Report shall not be reproduced except in full without the approval of the inspection Body and the client.

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CERTIFICATE OF TEST AND THOROUGH EXAMINATION OF CRAWLER CRANE Job order no.: JOD-2022-05-12868 Certificate Registration No.: 81888 Place of Inspection: FREE PORT, AUH Rhein ht2

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