



Liebherr 1070 Service Schedule

Date: 25-3-24 Rego: YKT-07P Plant ID: 700

Make	Liebherr	Model	1070
Service Type	1,000hr	Serial No:	043136
Service Hrs.	15,000hr <i>14,972</i>	KM	<i>83,806</i>
Next Service	15,250hr	Due (+/- 50Hr. Reading)	

Status type: Satisfactory ✓ Action Required * Not Applicable NA

Description	Status	Action/ Comments
1000hr Service		
CARRIER / CHASSIS		
Operators Cabin		
Panel Condition	✓	
Cabin Condition	✓	
Gauges	✓	
Horn	✓	
Lights & Indicators	x	<i>LHR, combination light faulty</i>
Locks/Doors/Mirrors	x	<i>Broken side mirror - passenger</i>
Windows & Wipers	✓	
Air Conditioning	✓	
Heater & Demister	✓	
Registration Valid & In Date	✓	
Diesel Engine		
Check density of coolant and replace as required	✓	
Check air filter, replace if necessary	✓	
Check fuel filter, replace if necessary	✓	
Oil change	✓	
Replace oil filter	✓	
Hydraulic System		
Replace bleeder filter of hydraulic tank	✓	
Return filter	✓	
Replace oil filter insert	✓	
Check oil, replace if necessary (oil sample may be required)	✓	
Check hydraulic pressure, readjust, if necessary	✓	
Hydraulic Hose Lines		
Check hoses for leaks and damage	✓	
Steering		
Check that steering gear and tie rods are firmly attached, check cotter pin	✓	
Check axle alignment, readjust, if necessary	✓	



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Check hydraulic hoses & steering system for leaks and damage	/	
Replace pressure filter insert	/	
Check hydraulic steering stop, adjust if necessary	/	
Hydraulic fan		
Replace pressure filter insert of hydraulic fan	/	
Hydraulic Supports		
Check ease of movement of sliding beams / grease	/	
Check sliding beam cables	/	
Axle Suspension		
Function test as blocking cylinder	/	
Check pressure accumulator pretension pressure (nitrogen)	/	
Automatic Transmission		
Check or tighten mounting screw	/	
Oil change	/	
Replace oil filter	/	
Load Transmission		
Oil Change	/	
Replace oil filter	/	
Automated Shift Transmission		
Check level and condition of oil, replace if necessary or every 2 years	/	
Check condition of oil filter, replace if necessary or every 2 years	/	
Drop Box		
Check attachment	/	
Oil change	/	
Transfer Gear Box		
Check or tighten mounting screw	/	
Oil change	/	
Clean deaerating nipple	/	
The Hydrostatic Drive		
Clean filter unit	/	
Replace filter unit	/	
Pump Distribution Gearbox		
Check attachment	/	
Oil change	/	
Gear Shafts and Bearing Block		
Check flange bolts and tighten if necessary	/	
Visually check the gear shafts	/	
Visually check the intermediate shaft bearing / bearing block	/	
Check gear bearings and lubricate every 2 years (if they can be lubricated)	/	
Check length compensation and lubricate every 2 years (if it can be lubricated)	/	

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Drive Shaft Between the Engine and Gearbox or Gearbox and Transfer Gearbox		
Check resistance or play in joint by manually bending it after removal	NA	(100,000 km)
Check length compensation for inadmissible bending play after removal. Replace the drive shaft if the bending play exceeds 0.17mm	NA	(100,000 km)
Axle, Driven		
Oil level checks at axle housing, differential housing and wheel hubs	/	
Check attachment	/	
Grease steering knuckle bearings	/	
Oil change	/	
Clean deaerating nipple at axle housing	/	
Axle, Non-driven		
Check attachment	/	
Grease steering knuckle bearings	/	
Replace wheel hub grease filling	/	
Adjust wheel bearings	/	
Electrical System		
Check cable connections and battery acid levels	/	
Fuel System		
Check fuel preliminary filter, drain off water if necessary	/	
Check condition and mounting	/	
Drain off water and sediments	/	
Clean auxiliary fuel pump preliminary filter	/	
Replace fuel preliminary filter	/	
Tyres		
Ensure that wheel nuts are tight, re-tighten if necessary		
Brake system		
Check brake lining thickness	/	80% +
Adjust brakes if necessary, replace linings if necessary	/	
Check the brake discs	/	
Check the brake drums	NA	
Eddy Current Brake		
Check mechanical and electrical parts (follow manufacturer instructions)	/	
Air Pressure System		
Drain air pressure tank	/	
Check and replace air drier granular cartridge if necessary	/	
Clean air drier preliminary filter	/	
Operator's Cab		
Grease boom support	/	



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SUPERSTRUCTURE		
Rotary Connection		
Lubricate gearing	/	
Lubricate the rotary connection	/	
Check screws for tight seating	/	
Check tilt play	/	
Rope Winches		
Check the mounting screws for tight seating	/	
Oil change	NA	(3000hr)
Hoist Gear Brake		
Check the oil level	/	
Oil change	NA	(4000hr)
Drive Shafts		
Check flange bolts	/	
Lubricate	/	
Lattice Sections		
Check for cracks and damage	/	
Guy Rods		
Check for cracks and damage	/	
Relapse Supports		
Lubricate bearings	/	
Relapse Cylinder		
Check pretension pressure (nitrogen)	/	
Check oil level	/	
Pneumatic Springs		
Function test	/	
A-Frame Bearing		
Lubricate	/	
Counterweight		
Check tightening torque of mounting screws	/	
Ballasting		
Lubricate bearing	/	
Press on Pulleys of Cable winches		
Grease guides	/	
Rope Pulleys		
Check for wear and damage	/	
Lubricate rope pulleys	/	
Crane Ropes		
Check, grease if necessary	/	
Hook Blocks		
Grease hook	/	
Check distance gap	/	
Crane Cab		
Check filter insert water heater, replace if necessary	/	
Crane Cab, Extendable or Inclinable		
Check for correct function	/	
Lubricate bearings	/	



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Electrical System		
Check cable connections and battery acid levels	/	
Fuel System		
Check condition and mountings	/	
Drain off water and sediments	/	
Slewing Gear		
Check the mounting screws for tight seating	/	
Oil change	/	(4000hr)
Turntable Locking Mechanism		
Check for correct function	/	
Lubricate	/	
Hydraulic Hose Lines		
Check for safe condition	/	
Hydraulic System		
Replace servo pressure and replenishing pressure filter inserts	/	
Replace return filter inserts	/	
Replace bleeder filter of hydraulic tank	/	
Check hydraulic oil, required degree of purity: 20/18/15 (take oil sample and have it checked, if necessary)	/	
Hydraulic Pressure Accumulator (nitrogen)		
Check pretension pressures	/	
Air Pressure System		
Check air drier granule elements, replace if necessary	/	
Clean air drier preliminary filter	/	
Central Lubricating System		
Check for correct function	/	
Pneumatic Boom Lock		
Clean air filter with compressed air	/	
Check locking pins	/	
Lubricate locking pins	/	
Telematik Telescopic Boom System		
Check telescopic cylinder for proper condition	/	
Check push out rod for proper condition	/	
Check locking pins and locking bores for proper condition	/	
Check inner and outer sliding surfaces for proper condition	/	
Safety Group		
LMI operational	/	
Anti-two block operational	/	
Boom length & angle indicators	/	
Manual boom length & angle indicators	/	
Level indicators	/	
Emergency controls (E-Stops)	/	
Operation & safety manuals	/	
2 way radios condition / operation	/	



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OTHER NOTES:

- * Error E-887400 camshaft position sensor faulty
- * Retaining bolts damaged + missing for hydraulic hoses on boom
- * RHR top clearance light broken
- * Rear LED combination lights not working (new ones ordered)
- * Passenger side mirror broken - small square one

Completed by:

Christian C

Mechanic / Fitter 26-3-24

Name

Position

Date

Shelton ✓

26-3-24

Name

Position

Date