



vers 11/2015

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### Crane Inspection Report

brand & model:	<i>Liebherr LTM 1120</i>	Chassis No:	<i>W09555500L EL 05053</i>
year of manufacturing:	<i>1990</i>	inspector:	<i>J Toresson</i>
inspection date:	<i>20170206</i>	chassis mileage:	<i>126572</i>
safety check expires:		carrier hrs:	<i>26249+1041=27290</i>
		crane hrs:	<i>27838</i>
Documentation	<input checked="" type="checkbox"/>	features / spec:	<i>jib 2 pieces (19m)</i>
CE certificate	<input checked="" type="checkbox"/>		
crane book	<input checked="" type="checkbox"/>		
ownership documents	<input checked="" type="checkbox"/>	extras / options:	<i>3 pieces of counterweights</i>
op manual / parts book	<input checked="" type="checkbox"/>		

<b>carrier / chassis</b>	<b>condition</b>	<b>problems / comments</b>
chassis	<i>good</i>	<i>several rusty spots</i>
outrigger cylinders		<i>little oil leaks</i>
outrigger pads	<i>good</i>	
push out cylinders		<i>little oil leaks on left side</i>
metal sheet	<i>good</i>	<i>cosmetic repair recommended</i>
sleeves	<i>good</i>	
axles	<i>good</i>	<i>front axel right final drives leaks oil</i>
suspension	<i>good</i>	<i>one axle lift control knob does not work</i>
brakes	<i>good</i>	<i>service and park brake work good</i>
steering & linkage	<i>good</i>	<i>steering cylinder leaks oil and seals are loose left side</i>
emergency steering		
pneumatics	<i>good</i>	
hydraulics	<i>good</i>	<i>some smaller leaks</i>
electric system	<i>good</i>	<i>batteries are weak</i>
lights	<i>working</i>	<i>missing mirror on right side</i>
gearbox	<i>working</i>	
<b>carrier engine</b>	<i>1)</i>	<i>Daimler-Benz 8 cylinder.</i>
oil & fuel leaks	<i>some</i>	<i>retarder is disassembled</i>
fluids & filters	<i>good</i>	
cooling system	<i>working</i>	
belts, pulleys	<i>good</i>	
blow by & smoke	<i>Yes</i>	<i>engine is blowing</i>
exhaust, turbo		<i>blue smoke (no turbo)</i>
<b>carrier cab</b>		<i>cabin doors inside covers damaged</i>
structure		<i>there is rust hole in to the cabin, behind operator seat</i>
seats, interior		<i>operator seat is worn out, see photos</i>
gauges, switches	<i>Good</i>	
windows, mirrors, wipers	<i>Good</i>	
air condition/heater	<i>Good</i>	<i>No A/c</i>



**Crane Inspection Report**

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<b>super structure</b>	<b>condition</b>	<b>problems / defects / remark</b>
frame, chassis	<i>good</i>	
sheet metal, covers	<i>good</i>	<i>some rust penetration</i>
pumps, pump drive	<i>good</i>	
slew ring cond. & play	<i>good</i>	<i>4 mm play</i>
swing drive & brake	<i>good</i>	
boom cylinder	<i>good</i>	
counterweight	<i>good</i>	<i>smaller damage on the left side.see photo</i>
CW lifting unit	<i>good</i>	
electric system	<i>good</i>	
pneumatics	<i>good</i>	
hydraulic system	<i>good</i>	
computers (LMI/LMB)		
maneuverability	<i>good</i>	

<b>upper engine (crane)</b>	<b>condition</b>	<b>problems / defects / remark</b>
oil & fuel leaks	<i>Yes</i>	<i>lock for engine room cover is not working properly some oil is leaking from the top</i>
fluids & filters	<i>good</i>	
cooling system	<i>good</i>	
belts, pulleys	<i>good</i>	
blow by & smoke	<i>ok</i>	
exhaust, turbo	<i>ok</i>	

<b>crane cab</b>	<b>condition</b>	<b>problems / defects / remark</b>
structure	<i>good</i>	
seat & interior	<i>good</i>	
gauges & switches	<i>good</i>	
windows, mirrors, wipers		<i>missing working light left side, mirrow has broken glas</i>
air condition, heater	<i>good</i>	<i>No A/C</i>

<b>boom</b>	<b>condition</b>	<b>problems / defects / remark</b>
booms	<i>good</i>	
hook & bloc	<i>good</i>	
pulleys	<i>good</i>	
jib	<i>good</i>	
winch(es)	<i>good</i>	
lift ropes	<i>good</i>	
winch brakes	<i>good</i>	
telescopic cylinder	<i>good</i>	
slide bars	<i>good</i>	
lock out switch for lifting	<i>good</i>	
hydraulics	<i>good</i>	



### Crane Inspection Report

brand & model:		Chassis No: <i>W09555500L EL05053</i>				
<b>tires</b>		Tire size:				
% remaining life	brand	left %	right %	remould	cuts	defects
axle 1	<i>Bridgeston</i>	<i>20 mm</i>	<i>20 mm see photo</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
axle 2	<i>Bridgeston</i>	<i>21 mm</i>	<i>22 mm</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
axle 3	<i>Bridgeston</i>	<i>20 mm</i>	<i>21 mm</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
axle 4	<i>Bridgeston</i>	<i>18 mm</i>	<i>20 mm outside</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
axle 5	<i>Bridgeston</i>	<i>20 mm</i>	<i>20 mm</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
axle 6				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### Summary

*1) Engine is up and running but if you look at the oil you can se that there is coolant in the oil and pressure in the coolant system. You also have blue/black smoke from this engine.*

*Engine overhaul will be required sooner or later.*

*Machine was inspected by local crane service 2016-08-16 and allowed to work until 2017-08-16.*

*Tire dimension: 445/95R25*

*Counterweight : 3 pieces of counterweight available*

*There are additional jibs on top of a container that probably belong to this crane.*

*For the age and hours the crane is still in good condition. There are no major problems but the engine need an overhaul soon.*



IMGP2081.JPG



IMGP2082.JPG



IMGP2083.JPG



IMGP2084.JPG



IMGP2085.JPG



IMGP2086.JPG



IMGP2087.JPG



IMGP2088.JPG



IMGP2089.JPG



IMGP2090.JPG



IMGP2091.JPG



IMGP2092.JPG



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IMGP2098.JPG



IMGP2099.JPG



IMGP2100.JPG



IMGP2101.JPG



IMGP2102.JPG



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