

The following pages contain a few sample reports for tracked excavators. The visible reports are not the latest version of the Mevas excavator inspection checklist. However, it is possible to see the general structure of inspections forms for hydraulic excavators.


The excavator inspection forms are used for inspection purposes for used machinery. It is a guide for the inspector when he is on site for inspection. It is a guide for the buyer of equipment to see which items have been checked.


All Mevas inspections follow a standard procedure and the inspectors have been trained for the job. Beside the standard inspection as per visible inspection checklist the technician on site performs a functional test of machine.


For some excavators we are able to access the internal computer memory of the machine. This way we can proof it the hour level on meter is correct.


If you need more info about hydraulic excavator inspection by Mevas you can contact us via our website www.mevas.eu



Evaluation Tracked Excavator		www.mevas.eu	
Customer/location:	<i>Scot JCB/Dundee</i>	vers 10/12	
Date:	<i>25/01/2013</i>		
Machine / type:	<i>JCB JS330LC</i>	Hour reading:	<i>8767</i>
Serial No.:	<i>JCBJS33DC71224244</i>	Year:	<i>2007</i>
Inspector:	<i>Dan Evans</i>	stick length:	<i>3.4m</i>
CE <input checked="" type="checkbox"/>	air con <input checked="" type="checkbox"/>	boom check valve	<input checked="" type="checkbox"/>
auto lube <input type="checkbox"/>	stick check valve <input checked="" type="checkbox"/>	boom variable <input type="checkbox"/>	Parts book <input checked="" type="checkbox"/> Op-Manual <input checked="" type="checkbox"/>
blade <input type="checkbox"/>	auxiliary lines <input checked="" type="checkbox"/>	quick coupler type:	<i>JCB/Miller Fully Auto Hyd.</i>
cab		cab door	<i>ok</i>
seat	<i>ok</i>	windows	<i>ok</i>
switches	<i>ok</i>	wipers	<i>ok</i>
gauges	<i>ok</i>	floor mats	<i>ok</i>
aircon / heat	<i>ok.</i>	structure	<i>1)</i>
engine		fluid levels	<i>ok</i>
leaks	<i>sump leaking</i>	noises	<i>no</i>
oil condition	<i>used</i>	blow by	<i>very minimal</i>
exhaust	<i>ok</i>	belts	<i>good</i>
smoke	<i>no</i>	cooling system	<i>2)</i>
visual inspection exterior		covers	<i>ok</i>
chassis	<i>3)</i>	side doors	<i>radiator cover door bent</i>
engine hood	<i>ok</i>	compartments	<i>ok</i>
steps, hand rails	<i>ok</i>	bumpers / catwalk	<i>ok</i>
boom	<i>cracking at end</i>	lights	<i>ok</i>
stick	<i>ok</i>	paintwork	<i>skirts repainted</i>
hydraulics	<i>Pump replaced at 6292hrs</i>	boom cylinders	<i>ok</i>
hoses & lines	<i>hitch hose union leaking</i>	stick cylinder	<i>ok</i>
pump and valve bloc	<i>seals leaking</i>	bucket cylinder	<i>ok</i>
functional test		boom drift	<i>4)</i>
pins boom		pump noises	<i>no</i>
pins stick	<i>good</i>	slew ring play	<i>no</i>
pins bucket	<i>some movement</i>	electrics	<i>good</i>
swing drive/brake		drive train	<i>good</i>
tools		bucket 2	<i>No further buckets available</i>
bucket 1	<i>1.8m digging bucket</i>	condition	
condition	<i>5)</i>	coupler condition	<i>good</i>
U/C	remaining life %		remaining life %
bushings	<i>10-20</i>	track links	<i>40</i>
shoes	<i>70</i>	sprockets	<i>60</i>
idlers	<i>50</i>	rollers	<i>60</i>
carrier rollers	<i>40</i>	shoe width in mm:	<i>700</i>
problems, details	<p><i>33830kg. Belly plates bent, dent to RHS skirt, and skirts repainted. Berco undercarriage worn, chains will require attention soon. Alternator error displayed on computer, possible sensor error? Demolition cage has been removed, plate welded to front and LHS skirt. Note extended door catch 6.4m Boom Length / 3.4m Arm Length (approx). Hour meter displays 64hrs on hammer work. Owner advises parts book and operator manual available, but not seen during inspection. Fully auto Miller hydraulic hitch (branded as JCB), 90mm pin diameters top and bottom. Hammer lines pressurising when pedal depressed either way - appear to be functional. Aircon blows cold, and no physical evidence of malfunction, however ambient temperature -6'C. Engine appears to be replacement. EPA marked to 2010 regs. Pump replaced at 6292hrs. Isuzu ASXL07-8HXA Engine, serial no. 6HK1-544420</i></p> <p>*** Cracking at boom end close to stick mounting evident , picture 2057***</p>		
dimensions for transport L x W x H in meter:	<i>11.2mL x 3.36mW x 3.6mH</i>		

Evaluation Tracked Excavator		www.mevas.eu	
Customer/location:	<i>Jansen Machinehandel Holter</i>	vers 03/15	
Date:	<i>18 August 2016</i>		
Machine / type:	<i>CX210B</i>	Hour reading:	<i>9259</i>
Serial No.:	<i>DCH210R5N7EAH1376</i>	Year:	<i>2207</i>
Inspector:	<i>Van Meer</i>	stick length:	<i>2950 mm</i>
CE label <input checked="" type="checkbox"/>	EPA label <input type="checkbox"/>	boom check valve <input checked="" type="checkbox"/>	DPF <input type="checkbox"/>
auto lube <input type="checkbox"/>	stick check valve <input checked="" type="checkbox"/>	boom variable <input type="checkbox"/>	DEF (add blue) <input type="checkbox"/>
blade <input type="checkbox"/>	auxiliary lines <input checked="" type="checkbox"/>	quick coupler type:	<i>CW hydraulic</i>
cab		cab door	<i>Good</i>
seat	<i>not adjustable, air suspension</i>	windows & mirrors	<i>Good / (1)</i>
switches	<i>Good</i>	wipers	<i>worn blades</i>
gauges	<i>Good</i>	floor mats	<i>Good</i>
aircon / heater	<i>Good / Good</i>	cab structure	<i>Good</i>
engine		coolant condition	<i>Good</i>
leaks	<i>some seepages at seals</i>	noises	<i>No</i>
oil condition / level	<i>black / Good</i>	blow by	<i>moderate</i>
exhaust	<i>Good</i>	belts, filters	<i>tightening / Good</i>
smoke	<i>normal</i>	cooling system	<i>Good</i>
visual inspection exterior		covers	<i>Good</i>
chassis	<i>Good</i>	side doors	<i>Good</i>
engine hood	<i>(2)</i>	compartments	<i>Good</i>
steps, hand rails	<i>(3), good</i>	bumpers / catwalk	<i>small dents</i>
boom	<i>Good</i>	lights	<i>most working</i>
stick	<i>Good</i>	paintwork	<i>some rusty spots</i>
hydraulics	<i>oil level low</i>	boom cylinders	<i>Good</i>
hoses,lines,swivel	<i>(4), good,good</i>	stick cylinder	<i>Good</i>
pump and valve bloc	<i>seepages (5)</i>	bucket cylinder	<i>Good</i>
functional test		boom self drift	<i>No</i>
pins boom	<i>normal play</i>	pump noises	<i>No</i>
pins stick	<i>normal play</i>	slew ring play	<i>ample play (6)</i>
pins bucket	<i>normal play</i>	electrics	<i>Good</i>
swing drive/brake	<i>Good</i>	drive train	<i>noisy and not straight</i>
tools		bucket 2	
bucket 1	<i>no bucket</i>	condition	
condition		coupler condition	<i>CW system</i>
U/C	remaining life %	track pitch	
bushings	<i>50</i>	track links	<i>50</i>
shoes	<i>25 (7)</i>	sprockets	<i>40</i>
idlers	<i>50</i>	rollers	<i>25 (8)</i>
carrier rollers	<i>25</i>	shoe width in mm:	<i>approx. 660</i>
problems, details	<i>1) one mirror cracked</i>		
	<i>2) one lock broken but works</i>		
	<i>3) one step missing ,one cracked</i>		
	<i>4) some hoses are wheatered (boom to stick) but others are good</i>		
	<i>5) pump and valve needs to be cleaned to see where the seepages is.</i>		
	<i>6) ample play horizontal and vertical</i>		
	<i>7) the shoes have been cut excentric, 35 cm+31 cm see photos</i>		
	<i>8) 3 rollers need to be replaced</i>		
	<i>All systems are working and machine can be used as is but we would recommend some sealing of leaks and we also recommend service with oil and filters. The play in swing bearing is above the average.</i>		
dimensions for transport L x W x H in meter:	<i>9.50 x 3.02 x 3.21</i>		

Evaluation Tracked Excavator		www.mevas.eu	
Customer/location:	<i>Geerdink Holten</i>	vers 11/16	
Date:	<i>20-12-2016</i>		
Machine / type:	<i>Komatsu PC228USLC</i>	Hour reading:	<i>8977</i>
Serial No.:	<i>32142</i>	Year:	<i>2006</i>
Inspector:	<i>van Meer</i>	stick length:	<i>2900</i>
CE label <input checked="" type="checkbox"/>	EPA label <input checked="" type="checkbox"/>	boom check valve <input checked="" type="checkbox"/>	DPF <input type="checkbox"/>
auto lube <input checked="" type="checkbox"/>	stick check valve <input checked="" type="checkbox"/>	boom variable <input checked="" type="checkbox"/>	DEF (add blue) <input type="checkbox"/>
blade <input type="checkbox"/>	auxiliary lines <input checked="" type="checkbox"/>	quick coupler type:	<i>Quick hitch</i>
cab		cab door	<i>hard to open</i>
seat	<i>good</i>	windows & mirrors	<i>good / cracked</i>
switches	<i>good</i>	wipers	<i>wiper to be serviced</i>
gauges	<i>good</i>	floor mats	<i>good</i>
aircon / heater	<i>good / good</i>	cab structure	<i>dents out side</i>
engine		Serial No.	<i>NA</i>
leaks & seals	<i>residues</i>	cooling system	<i>good</i>
oil condition & level	<i>black / good</i>	blow by	<i>minor</i>
exhaust, muffler	<i>rusty, good</i>	belts & filters	<i>replacment required</i>
smoke	<i>normal</i>	coolant condition	<i>good</i>
visual inspection exterior		covers	<i>some dents</i>
chassis	<i>good</i>	side doors	<i>some dents</i>
engine hood	<i>cracked</i>	compartments	<i>good</i>
steps, hand rails	<i>dents / good</i>	bumpers / catwalk	<i>good</i>
boom	<i>good</i>	lights	<i>good</i>
stick	<i>good</i>	paintwork	<i>good</i>
hydraulics		boom cylinders	<i>good</i>
hoses,lines,swivel	<i>good</i>	stick cylinder	<i>good</i>
pump and valve bloc	<i>residues / residues</i>	bucket cylinder	<i>good</i>
functional test		boom self drift	<i>none</i>
pins boom	<i>some play</i>	pump noises	<i>normal</i>
pins stick	<i>some play</i>	slew ring play	<i>normal play</i>
pins bucket	<i>ample play</i>	electrics	<i>good</i>
swing drive/brake	<i>good</i>	drive train	<i>good</i>
tools		bucket 2	
bucket 1	<i>standard bucket 75 cm</i>	condition	
condition	<i>good</i>	coupler condition	<i>good</i>
U/C	remaining life %	track pitch	<i>60%</i>
bushings	<i>60 %</i>	track links	<i>60 %</i>
shoes	<i>60 %</i>	sprockets	<i>60 %</i>
idlers	<i>60 %</i>	rollers	<i>50 %</i>
carrier rollers	<i>50 %</i>	shoe width in mm:	<i>800</i>
problems, details			
<i>The machine is equipped with a 3-piece offset-boom. The boom linkage has some play and replacement of pins & bushings will be required soon.</i>			
<i>Some slight oil residues but no serious leaks.</i>			
<i>Lines for hydraulic hammer available. (one way pressure)</i>			
<i>The machine is in good working order. Some smaller repairs required only.</i>			
dimensions for transport L x W x H in meter:		<i>7,15 x 3,18 x 3,10 m</i>	

Evaluation Tracked Excavator		www.mevas.eu	
Customer/location:	<i>Roermond</i>	vers 03/15	
Date:	<i>18.09.2015</i>		
Machine / type:	<i>CAT 330DL</i>	Hour reading:	<i>9509</i>
Serial No.:	<i>RAS00821</i>	Year:	<i>2007</i>
Inspector:	<i>B.Hecker</i>	stick length:	<i>3,20 Meter</i>
CE label <input checked="" type="checkbox"/>	EPA label <input checked="" type="checkbox"/>	boom check valve <input checked="" type="checkbox"/>	DPF <input type="checkbox"/>
auto lube <input type="checkbox"/>	stick check valve <input checked="" type="checkbox"/>	boom variable <input type="checkbox"/>	DEF (add blue) <input type="checkbox"/>
blade <input type="checkbox"/>	auxiliary lines <input checked="" type="checkbox"/>	quick coupler type:	<i>Verachtert</i>
cab		cab door	<i>Good</i>
seat	<i>Good</i>	windows & mirrors	<i>(2)</i>
switches	<i>Good</i>	wipers	<i>blades a bit worn</i>
gauges	<i>(1)</i>	floor mats	<i>Good</i>
aircon / heater	<i>Good</i>	cab structure	<i>Good</i>
engine	<i>CAT C-9</i>	coolant condition	<i>Good</i>
leaks	<i>No</i>	noises	<i>normal</i>
oil condition / level	<i>Good</i>	blow by	<i>moderate</i>
exhaust	<i>Good</i>	belts, filters	<i>Good</i>
smoke	<i>Good</i>	cooling system	<i>Good</i>
visual inspection exterior		covers	<i>swivel guard missing</i>
chassis	<i>Good</i>	side doors	<i>several dents</i>
engine hood	<i>Good</i>	compartments	<i>some dents</i>
steps, hand rails	<i>bent</i>	bumpers / catwalk	<i>several dents</i>
boom	<i>several weldings</i>	lights	<i>one light broken</i>
stick	<i>Good</i>	paintwork	<i>scratched and chipped</i>
hydraulics		boom cylinders	<i>Good</i>
hoses,lines,swivel	<i>several leaks</i>	stick cylinder	<i>drifts down slowly</i>
pump and valve bloc	<i>leaks</i>	bucket cylinder	<i>Good</i>
functional test		boom self drift	<i>none seen</i>
pins boom	<i>moderate</i>	pump noises	<i>normal</i>
pins stick	<i>minor</i>	slew ring play	<i>minor</i>
pins bucket	<i>some</i>	electrics	<i>Good</i>
swing drive/brake	<i>good</i>	drive train	<i>Good</i>
tools		bucket 2	<i>No</i>
bucket 1	<i>2m GP</i>	condition	<i>No</i>
condition	<i>holes, cracks</i>	coupler condition	<i>Good Hydraulic</i>
U/C	remaining life %	track pitch	<i>64,5 cm</i>
bushings	<i>70 %</i>	track links	<i>70 %</i>
shoes	<i>30 %</i>	sprockets	<i>70 %</i>
idlers	<i>70 %</i>	rollers	<i>70 %</i>
carrier rollers	<i>70 %</i>	shoe width in mm:	<i>750</i>
problems, details	<i>Berco undercarriage</i>		
	<i>(1) The EMS has stripes and the SMU is not working.</i>		
	<i>(2) The side window has several cracks and the RHS mirror is missing.</i>		
	<i>The stick cylinder might has an internal leaks as it drifts down slowly. The boom has several weld repairs. Some hydraulic hoses are leaking. The refill pump is not working. There is a hole in the counterweight. Slight dent in the cab guard.</i>		
	<i>The hour meter is not working and the PSR shows some strange values at the totals.</i>		
	<i>Last entry in the service history is from 2014 with 12.150h</i>		
	<i>The machine is in fair condition. Several repairs will be required.</i>		
dimensions for transport L x W x H in meter:	<i>10,80 x 3,33 x 3,50</i>		

Evaluation Tracked Excavator		www.mevas.eu	
Customer/location:	<i>Almelo</i>	vers 01/14	
Date:	<i>15.07.2014</i>		
Machine / type:	<i>New Holland E265</i>	Hour reading:	<i>7196</i>
Serial No.:	<i>ZEF211LEN6LA06022</i>	Year:	<i>2007</i>
Inspector:	<i>B.Hecker</i>	stick length:	<i>7,80 Meter</i>
CE <input checked="" type="checkbox"/>	air con <input checked="" type="checkbox"/>	boom check valve	<input checked="" type="checkbox"/>
auto lube <input type="checkbox"/>	stick check valve <input type="checkbox"/>	boom variable <input type="checkbox"/>	Parts book <input type="checkbox"/> Op-Manual <input type="checkbox"/>
blade <input type="checkbox"/>	auxiliary lines <input checked="" type="checkbox"/>	quick coupler type:	<i>No</i>
cab		cab door	<i>Good</i>
seat	<i>Good</i>	windows	<i>Good</i>
switches	<i>Good</i>	wipers	<i>Good</i>
gauges	<i>Good</i>	floor mats	<i>Good</i>
aircon / heat	<i>Good</i>	structure	<i>Good</i>
engine	<i>CNH 667TA/EEG</i>	fluid levels	<i>Good</i>
leaks	<i>No</i>	noises	<i>Good</i>
oil condition	<i>Good</i>	blow by	<i>Good</i>
exhaust	<i>Good</i>	belts	<i>Good</i>
smoke	<i>Good</i>	cooling system	<i>Good</i>
visual inspection exterior		covers	<i>Good</i>
chassis	<i>Good</i>	side doors	<i>Good</i>
engine hood	<i>Good</i>	compartments	<i>Good</i>
steps, hand rails	<i>Good</i>	bumpers / catwalk	<i>Good</i>
boom	<i>Good</i>	lights	<i>Good</i>
stick	<i>Good</i>	paintwork	<i>Good</i>
hydraulics	<i>oil level low</i>	boom cylinders	<i>Good</i>
hoses,lines,swivel	<i>Good</i>	stick cylinder	<i>Good</i>
pump and valve block	<i>Good</i>	bucket cylinder	<i>Good</i>
functional test		boom drift	<i>Good</i>
pins boom	<i>a bit play</i>	pump noises	<i>Good</i>
pins stick	<i>a bit play</i>	slew ring play	<i>Good</i>
pins bucket	<i>ample play</i>	electrics	<i>please replace batteries</i>
swing drive/brake	<i>Good</i>	drive train	<i>Good</i>
tools	<i>ditch cleaning bucket hydr.</i>	bucket 2	<i>N/A</i>
bucket 1	<i>1)</i>	condition	<i>N/A</i>
condition	<i>weld repair required</i>	coupler condition	<i>N/A</i>
U/C	remaining life %	track pitch	
bushings	<i>50 %</i>	track links	<i>60 %</i>
shoes	<i>50-60 %</i>	sprockets	<i>50 %</i>
idlers	<i>60 %</i>	rollers	<i>50 %</i>
carrier rollers	<i>50 %</i>	shoe width in mm:	<i>600</i>
problems, details			
<i>1) The ditch cleaning bucket has a leak drive motor.(pict 829)</i>			
<i>The track chaines are stuck due long stand-by and probably because the machine was working often in very wet area (Dutch polders)</i>			
<i>In general the machine is in good condition. Some smaller repairs and replacements required.</i>			
<i>Work performance is good. There are no other leaks than on bucket motor.</i>			
<i>Stick: 7,80m; Boom: 10,30m</i>			
<i>Dimension without boom and stick: 5,10 x 3,00 x 3,20 m</i>			
dimensions for transport L x W x H in meter:		<i>13,80 x 3,00 x 3,20</i>	