

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


The loader 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 wheel loaders 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 wheel loader inspection by Mevas you can contact us via our website [www.mevas.eu](http://www.mevas.eu)





Evaluation Radlader		www.mevas.eu			
Kunde:	LLU Heisler	vers 03/12			
Datum:	31.03.2015				
Maschine/Typ:	Doosan DL400	Standort:	Laatzten		
Serien Nr.:	5717	Stundenzähler	4053		
Inspektor:	B.Hecker	Jahr:	2009		
CE <input checked="" type="checkbox"/> A/C <input checked="" type="checkbox"/> Command Steer <input type="checkbox"/> Zentralschmierung <input checked="" type="checkbox"/> 3. Steuerkreis <input checked="" type="checkbox"/>					
Schnellwechsler <input type="checkbox"/> Hilfslenkung <input checked="" type="checkbox"/>		Waage <input type="checkbox"/>	ET-Buch <input type="checkbox"/> Bed. Anltg <input checked="" type="checkbox"/>		
<b>Kabine</b>		Kabinentür	Gut		
Sitz	Gut	Fenster	Gut		
Schalter	Gut	Scheibenwischer	Gut		
Anzeigen	Gut	Fußmatten	Gut		
Klima/Heizung	ein Auströmer defekt	Struktur	Gut		
<b>engine</b>	Cummins 7CEXL0540AAB	Serien Nr.	46784777		
Lecks	Nein	Kühlsystem	Gut		
Ölzustand	Gut	Kompressionsverlust	Gut		
Auspuff	Gut	Keilriemen	Gut		
Rauch	Gut	Flüssigkeitsstände	Gut		
<b>Exterior</b>		Gegengewicht	Gut		
Rahmen	Gut	Kotflügel	Gut		
Motorhaube	Gut	Beleuchtung	Gut		
Stufen/Handläufe	Gut	Lackierung	Gut		
<b>Antrieb</b>		Felgen	Gut		
Achsen	Gut	Kardangelenke	Gut		
Getriebe	Gut	Differentiale	Gut		
Antriebsstrang	Gut	Getriebegeräusche	Gut		
<b>Hydraulik</b>		Lenkzylinder	Gut		
Rohre/Leitungen	Gut	Pumpen	Gut		
Hubzylinder	Gut	Lenkpilot	Gut		
<b>Funktionstest</b>	Anheben der Schaufel in sek.:		6,8		
Lenkung	Gut	Knickgelenkspiel	Gut		
Getriebetest	Gut	Hubgerüstbolzen	Gut		
Stall Test	2100->2000U/min gut		Elektrik	Batterien schwach	
Bremsen/Handbremse	Gut	Hilfslenkung	Gut		
<b>Schaufel</b>		Breite/Kapazität	3,00 Meter		
Messer/Zähne	Messer	Seiten	Gut		
Boden	Gut	Schnellwechler	Nein		
<b>Reifen</b>	mm oder % gut			Schnitte Runderneuert Serien Nr.	
Vorne rechts	90%	26,5R25	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Vorne links	90%	26,5R25	<input type="checkbox"/>	<input type="checkbox"/>	
Hinten rechts	90%	26,5R25	<input type="checkbox"/>	<input type="checkbox"/>	
Hinten links	90%	26,5R25	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Anmerkungen</b>					
<i>Das Bremsgehäuse vorne rechts ist feucht, eine Undichtigkeit ist nicht zu erkennen.</i>					
<i>Die Feuchtigkeit an dem hinteren Differenzial ist Fett von der Pendelachse.</i>					
<i>Am Öldeckel ist etwas Kondenswasser zu sehen.</i>					
<i>Die Maschine ist in einem guten Zustand für das Alter und Stundenlevel.</i>					
<i>Die Batterien sollten getauscht werden.</i>					
Transportabmessungen L x W x H in meter:		8,60 x 3,00 x 3,65			

Evaluation Wheel Loader		<a href="http://www.mevas.eu">www.mevas.eu</a>	
Customer:		vers 11/16	
Date:	13.06.2018		
Machine / type:	L70	location:	Wallersdorf
Serial No.:	8057	Hour reading:	32307
Inspector:	Chris	Year:	
CE <input type="checkbox"/> A/C <input type="checkbox"/>	EPA <input type="checkbox"/> Auto-Greaser <input type="checkbox"/>	Hydrostat <input type="checkbox"/>	quick coupler <input type="checkbox"/>
3rd valve <input checked="" type="checkbox"/>	supplemental steering <input type="checkbox"/>	weigh load <input type="checkbox"/>	Parts book <input type="checkbox"/> Op-Manual <input type="checkbox"/>
<b>cab</b>		cab door	inside opener broken
seat	good	windows & mirrors	good
switches	good	wipers	good
gauges & lamps	good	floor mat	good
aircon / heater	N/A / good	cab structure	good
<b>engine</b>		Serial No.	
leaks & seals	some seepages	cooling system	good
oil condition & level	good	blow by	minor
exhaust, muffler	good	belts & filters	good
smoke	normal	coolant condition	good
<b>exterior</b>		counterweight	good
chassis & lift arm	welded on RHS	fenders	slight dents
engine hood	good	lights	one not working
stairs, hand rails	good	paintwork	good
<b>power train</b>		rims, wheel nuts	some dents in rims
axles/differentials	good	universal joints	good
gearbox	good	transfer gear	good
power train	good	transm. noises	normal
<b>hydraulics</b>		steering cylinders	good
hoses & lines	some oil residues	pumps & valves	good
lift & tilt cylinders	good	steering orbital	good
<b>functional test</b>		full bucket lift in seconds:	
steering	good	articulation play	moderate
transmission test	shifts smooth all gears	loader pins	moderate play
stall test	appears ok	electric system	good
brake / park brake	both weak	supplem. steering	N/A
<b>bucket</b>		width / capacity	2.05m
edges / teeth	good	side condition	good
bottom	good	quick coupler	good
<b>tires</b>	mm or % good		comments, damages
front right	40%		low air pressure
front left	40%		
rear right	60%		
rear left	60%		
<b>problems, details:</b>			
The machine is in general good condition according to the age and hour level. Some smaller repairs are required. Limited tested as one tire has low air pressure.			
transport dimensions L x W x H in meter:			

Evaluation Wheel Loader		<a href="http://www.mevas.eu">www.mevas.eu</a>	
Customer:		vers 11/15	
Date:	21.04.16		
Machine / type:	Volvo L180CHL Log Loader	location:	Dachwig
Serial No.:	V3397	Hour reading:	17.381
Inspector:	Bühn	Year:	
CE <input checked="" type="checkbox"/> A/C <input checked="" type="checkbox"/>	EPA <input type="checkbox"/> Auto-Greaser <input checked="" type="checkbox"/>	Hydrostat <input type="checkbox"/>	quick coupler <input type="checkbox"/>
3rd valve <input checked="" type="checkbox"/>	supplemental steering <input checked="" type="checkbox"/>	weigh load <input type="checkbox"/>	Parts book <input type="checkbox"/> Op-Manual <input type="checkbox"/>
<b>cab</b>		cab door	plastic cover cracked
seat	a bit shaky in console	windows/mirrors	windscreen cracked
switches	(1)	wipers	blades are worn
gauges	(2)	floor mats	good
aircon / heat	air condition not working	cab structure	good
<b>engine</b>		Serial No.	
leaks	some slight leaks	cooling system	(3)
oil condition	good	blow by	normal
exhaust	good	belts & filters	A/C belt is missing
smoke	good	fluid levels	good
<b>exterior</b>		counterweight	good
chassis & lift arm	good	fenders	all bent
engine hood	good	lights	some damaged
stairs, hand rails	slight damaged stairs	paintwork	fair!, repainted
<b>power train</b>		rims, wheel nuts	slight dents in rings
axles/differentials	good	universal joints	good
gearbox	slight leaks sligh noisy	transfer gear	good
power train	good	transm. noises	a bit noisy
<b>hydraulics</b>		steering cylinders	good
hoses & lines	chafed and some are oily	pumps & valves	a bit noisy
lift & tilt cylinders	good	steering orbital	good
<b>functional test</b>		full bucket lift in seconds:	
steering	noisy	articulation play	a bit play noted
transmission test	good	loader pins	good
stall test	2290->1950 OK	electric system	(2)
brake / park brake	(4)	supplem. steering	good
<b>bucket</b>	log loader grapple	width / capacity	
edges / teeth	1.9x2.34x1.1m	side condition	slight leak on hydraulic hoses
bottom	structure ok	quick coupler	
<b>tires</b>	mm or % good		comments, damages
front right	80%	?	775/65R29 recapped
front left	80%	?	775/65R29 recapped
rear right	40%	Michelin	30/65R29
rear left	50%	Michelin	30/65R30
<b>problems, details:</b>			
(1) some wires are loose on the RHS joystick, probably one switch is missing			
(2) warn lights in dashboard are not working occasionally; could not engage manual to 1st gear;			
(3) The cooler fan is touching the safety guard - noisy			
(4) Brakes holding 3rd gear only, slow motion in second;			
Joystick-steering does not work, forward-reverse switch in LH joystick could not be activated;			
Some greaser tubes disconnected. Battery boxes corroded; Fenders bent;			
The machine is in working condition and in good shape for age and hours. A couple of smaller repairs are required. The machine test was limited due the situation in the yard.			
No structural problems detected.			
transport dimensions L x W x H in meter:			

Evaluation Wheel Loader		<a href="http://www.mevas.eu">www.mevas.eu</a>	
Customer:	<i>SAMI TP</i>	vers 11/15	
Date:	<i>20.05.16</i>		
Machine / type:	<i>WA100</i>	location:	<i>Magdeburg</i>
Serial No.:	<i>H60278</i>	Hour reading:	<i>2404</i>
Inspector:	<i>Bühn</i>	Year:	<i>2011</i>
CE <input checked="" type="checkbox"/> A/C <input type="checkbox"/>	EPA <input type="checkbox"/> Auto-Greaser <input type="checkbox"/>	Hydrostat <input checked="" type="checkbox"/>	quick coupler <input checked="" type="checkbox"/>
3rd valve <input checked="" type="checkbox"/>	supplemental steering <input type="checkbox"/>	weigh load <input type="checkbox"/>	Parts book <input type="checkbox"/> Op-Manual <input type="checkbox"/>
<b>cab</b>		cab door	<i>good</i>
seat	<i>good</i>	windows & mirrors	<i>good</i>
switches	<i>good</i>	wipers	<i>good</i>
gauges & lamps	<i>good</i>	floor mat	<i>good</i>
aircon / heater	<i>--/good</i>	cab structure	<i>good</i>
<b>engine</b>		Serial No.	
leaks & seals	<i>oil pan is leaking</i>	cooling system	<i>cooler to be cleaned</i>
oil condition & level	<i>good</i>	blow by	<i>normal</i>
exhaust, muffler	<i>good</i>	belts & filters	<i>good</i>
smoke	<i>good</i>	coolant condition	<i>good</i>
<b>exterior</b>		counterweight	<i>good</i>
chassis & lift arm	<i>good</i>	fenders	<i>front left damaged</i>
engine hood	<i>good</i>	lights	<i>good</i>
stairs, hand rails	<i>good</i>	paintwork	<i>contractor labels to be removed</i>
<b>power train</b>		rims, wheel nuts	<i>good</i>
axles/differentials	<i>1)</i>	universal joints	<i>good</i>
gearbox	<i>good</i>	transfer gear	<i>good</i>
power train	<i>good</i>	transm. noises	<i>good</i>
<b>hydraulics</b>		steering cylinders	<i>good</i>
hoses & lines	<i>2)</i>	pumps & valves	<i>good</i>
lift & tilt cylinders	<i>good</i>	steering orbital	<i>good</i>
<b>functional test</b>		full bucket lift in seconds:	
steering	<i>good</i>	articulation play	<i>good</i>
transmission test	<i>good</i>	loader pins	<i>a bit play in coupler pins</i>
stall test	<i>N/A</i>	electric system	<i>good</i>
brake / park brake	<i>good</i>	supplem. steering	<i>N/A</i>
<b>bucket</b>		width / capacity	<i>2,15m</i>
edges / teeth	<i>worn, 30%</i>	side condition	<i>good, 60%</i>
bottom	<i>thin, 30%</i>	quick coupler	
<b>tires</b>	mm or % good	<i>455/70R24</i>	comments, damages
front right	<i>60%</i>	<i>Dunlop</i>	
front left	<i>60%</i>	<i>Dunlop</i>	
rear right	<i>50%</i>	<i>Dunlop</i>	
rear left	<i>50%</i>	<i>Dunlop</i>	
<b>problems, details:</b>			
<i>1) the rear axle housing is oily but it comes most probably from engine leak</i>			
<i>2) hoses to 4x1 bucket are chafed</i>			
<i>The machine is in good operating condition and has no major problems.</i>			
<i>The engine oil pan and one tube next to dip stick are slightly leaking.</i>			
<i>Cleaning required.</i>			
transport dimensions L x W x H in meter:		<i>6,05 x 2,15 x 2,85m</i>	

Evaluation Wheel Loader		<a href="http://www.mevas.eu">www.mevas.eu</a>	
Customer:		vers 11/15	
Date:	29/06		
Machine / type:	HITACHI ZW250	location:	BARBERINO VAL D'ELSA
Serial No.:	HFL4GG00K00000278	Hour reading:	8721
Inspector:	gianluca	Year:	2009
CE <input checked="" type="checkbox"/> A/C <input checked="" type="checkbox"/>	EPA <input type="checkbox"/> Auto-Greaser <input type="checkbox"/>	Hydrostat <input type="checkbox"/>	quick coupler <input type="checkbox"/>
3rd valve <input type="checkbox"/>	supplemental steering <input checked="" type="checkbox"/>	weigh load <input type="checkbox"/>	Parts book <input type="checkbox"/> Op-Manual <input type="checkbox"/>
<b>cab</b>		cab door	good
seat	damaged left armrest	windows & mirrors	good
switches	good	wipers	good
gauges & lamps	good	floor mat	good
aircon / heater	A/C not cooling	cab structure	good
<b>engine</b>		Serial No.	
leaks & seals	seepage in valve cover area	cooling system	good
oil condition & level	black	blow by	minor
exhaust, muffler	good	belts & filters	good
smoke	normal	coolant condition	good
<b>exterior</b>		counterweight	good
chassis & lift arm	good	fenders	good
engine hood	good	lights	some inoperable
stairs, hand rails	good	paintwork	1)
<b>power train</b>		rims, wheel nuts	good
axles/differentials	good	universal joints	good
gearbox	leak from transm. Filter	transfer gear	good
power train	good	transm. noises	normal
<b>hydraulics</b>		steering cylinders	good
hoses & lines	good	pumps & valves	good
lift & tilt cylinders	good	steering orbital	good
<b>functional test</b>		full bucket lift in seconds:	
steering	good	articulation play	minor
transmission test	2)	loader pins	minor wear
stall test	3)	electric system	5)
brake / park brake	4)	supplem. steering	not functional
<b>bucket</b>		width / capacity	3000 mm width, 3,6 mc
edges / teeth	worn segments	side condition	wear consistent
bottom	good	quick coupler	
<b>tires</b>	mm or % good	size: 23.5 R25	comments, damages
front right	20%	brand:yokohama	
front left	20%	brand:yokohama	moderate cut on inside
rear right	20%	Michelin	recapped
rear left	20%	Michelin	recapped
<b>problems, details:</b> 1) surface rust in some areas, touch up paint on counterweight			
2) due the confined area could be possible to test at low speed only. Transmission function normally.			
3) good, transmission and engine have a normal power. brakes hold the machine in second gear			
4) service brake are ok, park brake is weak and does not hold the machine.			
5) emergency steering light stay on and the supplemental steering does not work			
weigh load will be dismantled.			
the machine is in fair general wear condition according with its age and hour level			
all fluids are not clear and seems old. Scheduled maintenance is recommended.			
service for park brake malfunction is required.			
transport dimensions L x W x H in meter:		8,2 x 3,0 x 3,45	

Evaluation Wheel Loader		<a href="http://www.mevas.eu">www.mevas.eu</a>	
Customer:		vers 11/15	
Date:	27/06		
Machine / type:	KOMATSU WA600-3	location:	CARRARA
Serial No.:	50338	Hour reading:	17520
Inspector:	gianluca	Year:	2001
CE <input checked="" type="checkbox"/> A/C <input checked="" type="checkbox"/>	EPA <input type="checkbox"/> Auto-Greaser <input type="checkbox"/>	Hydrostat <input type="checkbox"/>	quick coupler <input checked="" type="checkbox"/>
3rd valve <input checked="" type="checkbox"/>	supplemental steering <input type="checkbox"/>	weigh load <input type="checkbox"/>	Parts book <input type="checkbox"/> Op-Manual <input type="checkbox"/>
<b>cab</b>		cab door	good
seat	good	windows & mirrors	front right screen cracked
switches	good	wipers	good
gauges & lamps	good	floor mat	good
aircon / heater	good	cab structure	good
<b>engine</b>		Serial No.	
leaks & seals	no leaks	cooling system	good
oil condition & level	black	blow by	minor
exhaust, muffler	good	belts & filters	good
smoke	normal	coolant condition	good
<b>exterior</b>		counterweight	good
chassis & lift arm	good	fenders	good
engine hood	some crack and dent	lights	some inoperable
stairs, hand rails	bent and damaged	paintwork	1)
<b>power train</b>		rims, wheel nuts	good
axles/differentials	oily but good	universal joints	good
gearbox	2)	transfer gear	good
power train	good	transm. noises	normal
<b>hydraulics</b>		steering cylinders	both leaking
hoses & lines	3)	pumps & valves	good
lift & tilt cylinders	all cylinders are leak	steering orbital	good
<b>functional test</b>		full bucket lift in seconds:	
steering	good	articulation play	moderate
transmission test	good	loader pins	moderate wear
stall test	normal	electric system	good
brake / park brake	4)	supplem. steering	
<b>bucket</b>		width / capacity	
edges / teeth	edge has weld repair	side condition	good
bottom	good	quick coupler	weld repairs
<b>tires</b>	mm or % good	size:35/65 33	comments, damages
front right	5) see notes		
front left	5) see notes		
rear right	30 mm (45%)	Michelin	cuts on inside
rear left	30 mm (45%)	Michelin	cuts on inside
<b>problems, details:</b> 1) touch up paint in some area, especially on rear side. Seems original paint			
2) housing is oily, probably some slight leaks.			
3) dripping leak from some hoses in the center area			
4) park brake is very weak, does not hold the machine			
5) will be replaced with the Good Year tires now mounted on a Cat 988H (pics 9006 to 9011)			
Fuel tank has bad dent; Forks in good condition available (1700 x 500 x 150 mm)			
2 Good Year additional tires available (pics 8927-8928-8929). Please discuss with supplier the tire issue t			
The machine is very dirty and oily. Needs service for the leaks as noted. Scheduled maintenance is probably overdue. Main components working normally.			
transport dimensions L x W x H in meter:			