

Pre-delivery inspections for used machines



Why Machine Inspections?

Purchase of second-hand machinery is always a risk, especially in case the machine is in another country. Sometimes it is not sure if the supplier is honest and telling the truth about machine condition. Sometimes the supplier even doesn't know the exact condition of the equipment in his yard.

Sending unexperienced people to have a look to machines or truck doesn't help either to figure out the real machine condition. Why not sending an expert?

Experienced Engineers

Mevas is a German company with an international network of machine inspectors. The company is doing nothing else than every day inspecting used equipment. Since Mevas has been founded in 2006 more than 5.000 excavators, wheel-loaders, motor-graders, cranes and other heavy machines have been inspected.

International Inspector Network

Mevas has inspectors available for many European countries. Due the network of inspectors it is possible to access more or less each country within the continent. Additional to the European inspector network Mevas has engineers available in the Middle-East, in many States of the USA, in Australia, in Chile and in Russia.

Inspection Cost

An average inspections costs less than buyers can lose with purchasing a bad machine with hidden problems. Mevas can advise what kind of repairs are required to get the equipment in working order and what the potential remaining life of a machine would be.

Evaluation Motor Grader		www.mevas.eu
customer/location:	Dallas, TX	www.tortu
machine / type:	1400 150P	
Serial No.:	72V16512	hour reading: 14,519
Inspector:		year: 1994
CE:	AMND [] Suppl. steer []	push bloc [] snow wmg [] ripper []
A/C []	Parts book []	Op-Manual [] gearfiller [] ripper/walve []
cab	controls	Good
seat	Good-See Below	windows
switches	Good	wipers
gauges	Good	stairs/grab iron
A/C / heater	A/C cool but not cold	floor mat
engine	Caterpillar 3306	Serial No.
balls	Some residue under engine	Serial No.
oil condition	Good	noises
exhaust	Good	blow by
smoke	Minor	balls
cooling system	Good-See Below	fluid levels
visual inspection	4.2 Meter Mobilboard	paintwork
chassis	See Below	lights
cab structure	Good	engine doors
center blade	Good	sheet metal
front blade	N/A	trms
circle drive	See Below	tandems
hydraulics	See Below	jumps
hoses & lines	Good - Shams remaining	steering cyl.
circle drive	Good	blade cylinders
controls in cab	Good	ripper cylinders
functional test	Good	blade pins
transmission auto	N/A	blade slide shift
transmission man.	Good	circle play
brake / park brake	Unable to properly test	front blade
steering	Good	ripper / scar.
wheel lean	Good	suppl. steering
electric system	Good	power test
tires	tread in mm or % remaining	exc.
front right	11mm	Michellie
front left	8mm	Uniscure
center right	11mm	Solidair
center left	10mm	Solidair
rear right	11mm	Solidair
rear left	11mm	Solidair
problems, repairs, recommendation		
Seat back & boom / Armrests are showing wear		
Residue on coolant tube to block, appears to be oil from breather		
Small weld repairs on blade support		
Wear marks on right side tail gate		
Stress cracks in flanges to axle pivots / Residue right pivot seal / Residue left side flange gasket		
Minor scratches in hydraulic cylinder rams		
Some hydraulic hoses weathered-cracked		
Minor cuts and gouges in tires		
dimensions for transport (L x W x H) in meter:	0.4M x 2.3M x 3M	

Used Machine Checklist

For each kind of machine, crane or truck Mevas has a specific inspection checklist. The machine inspector approves all machine features, investigates the condition of engine, hydraulic system and transmission. He checks for cracks, damages, and missing parts.

Qualification of Mevas

-Construction Equipment

Core business of MEVAS is inspection of used construction machines and earthmovers such as excavators, wheel loaders, bulldozers, motor graders and road construction



machinery. Mevas has experience with machines of Komatsu, Caterpillar, Hitachi, Terex, Volvo and many other brands.

-Mobile Cranes & Fork Lift Trucks

Some engineers of the Mevas team are trained for used crane inspections. They can inspect mobile cranes, harbor cranes, tower cranes, reach stackers and fork lift trucks. No matter if it is a 2 ton forklift or a 150 ton mobile crane - Mevas is qualified to perform a profound expertise.



Certificates of Chartered Engineers

For export to India a so called CEC is required. Mevas can provide CEC for export to India on request. The service is split between Mevas, doing the inspection on site and a Chartered Engineer (member of Indian chamber), raising and signing a CEC.

Biosecurity Inspections for Australia

All heavy machinery, imported into Australia must be free from contamination such as seeds, soil, plant and organic materials. Contaminated machinery can be re-exported from Australian ports at the importer's or owner's expense. Mevas can help you to meet the required standards.

Spoken Languages

The Mevas management speaks German, English, Spanish and French language. Inspection reports are usually provided in English language. Comments and general advise for an inspected machine can be provided in French or Spanish language. On request machine inspection reports can be translated to other languages for additional cost.

Contacts

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E-mail and other contact details as well as other related information about the Mevas inspection service can be seen in various languages on www.mevas.eu