# 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.

Dallas, TX 140G VHP 72V16612	vers 10/12	AMBINE
72V16612		7/MID VAI
	hour reading:	14,219
	year:	1994
AWD Suppl. steer	push bloc 🗹	snow wing ripper 2
Parts book	Op-Manual	scarifier ripper-valve
1	controls	Good
		Good
		Operational
		Good
		Minor cuts
		Serial# 08Z76921
		Good
		Good
Good	blow by	Minor
Minor	belts	Good
		Good
4.2 Meter Moldboard	paintwork	Faded / Scratched
See Below	lights	Some inoperable / Damaged
Good	engine doors	Good
Good		Surface rust
N/A	rims	Good
See Below	tandems	Left flange has multiple cracks
	pumps	Good
See Below	steering cyl.	Good
Good - Shims remaining	blade cylinders	Good
Good	ripper cylinders	Good
	blade pins	Good
N/A	blade side shift	Good
Good	circle play	Good
Unable to properly test	front blade	N/A
Good	ripper / scar.	Good
Good	suppl. steering	N/A
Good	power test	Not put under load
tread in mm or % remaining	size:	cuts remould
11mm	Michelin	
Omm	Unicure	
19mm	Solideal	
20mm	Solideal	
19mm	Solideal	
19mm	Solideal	
recommendation		
Armrests are showing wear	•	
tube to block, appears to be oil	from breather	
n blade support		
t side ball joint		
	ht pivot seal / Res	due left side flange gasket
	Monor Monor A The Mark Medition of Sea Below 4.2 Malest Meditionard Sea Below Sea Shins remaining Good MA Good District Good Shins remaining Good The Sea Sea Sea Sea Sea Sea Sea Sea Sea Se	Good- See Between Sindows Good See Between See Between See Between See See Between See See See See See See See See See

#### 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.



#### -Road trucks and Concrete Pumps

Mevas inspects regularly road trucks, ready-mix trucks and concrete pumps. The inspection report helps selecting the best trucks for import. Mevas has experience with trucks of Mercedes-Benz, MAN, Iveco and inspected so far the condition of concrete pumps of Putzmeister, Liebherr, Sanny and Schwing.

## -Recycling and Mining Machinery

Purchasing a recycling machine such as a rock crusher or a screening machine is very risky - even if the buyer sends his own technician. Also blast hole rock drills are expensive items. These machines can have many hidden problems. Mevas is looking back to at least 60 inspected rock crushers of many brands such as Pegson, Terex, Gipo, Finlay, Fintec, Sandvik and some other brands.





# -Engineering Equipment

The most difficult part of machinery inspections might be the engineering equipment. Drilling Rigs and Piling Machines are very complex. Sending an engineer without knowledge about the versatile specifications would not make sense. If the buyer don't has a qualified technician on hand, please ask Mevas. Even for large tunneling machines the company has an engineer available.



#### -Cargo Survey

Mevas can offer in many ports around the globe the survey of equipment. Inspectors can approve if machines have been loaded to vessels, stuffed into containers or just if the equipment is complete as listed on a packing list.

#### -Machinery Auctions

Every day, somewhere in the world takes a heavy machinery auction place. It is dangerous to purchase equipment at an auction because many contractors or traders try to get rid of bad machines with a sale on auction. Mevas can offer full inspection or a cheaper walk-around inspection.

#### -Appraisal and Valuation

Mevas is offering valuations for Construction Equipment and working already for banks such as Lloyds in the UK or for financial institutions such as Caterpillar-Financial. The service is also provided to insurance companies such as AXA. No matter if a valuation for a single machine or for a larger fleet is required Mevas has the power to do it.



### Can you trust in Mevas?

To remain absolutely independent Mevas is neither trading machines nor taking commissions from traders or buyers. All info about machinery, suppliers, customers and equipment condition is handled confident. Inspection reports are never shared with third parties.

#### 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 <a href="https://www.mevas.eu">www.mevas.eu</a>