

# Wheel Loader TA2 Inspection

Sample for a TA-2 inspection report for a CAT 988K Wheel Loader

This is an example of what happens during a TA-2 inspection. These tests can be performed for **any brand such as Caterpillar, Komatsu, Hitachi or Volvo**. If the factory specifications are known, a Mevas technician can perform all the tests to gather information about the performance and wear of a machine. In addition, a visual inspection TA-1-Plus is included.

The TA designation is a classification from Caterpillar for a technical analysis on a construction machine. Our test is not identical, but the scope of the tests is based on this standard. The potential buyer receives all the information necessary for the machine performance. This enables him to estimate the remaining service life of components very well.

## Engine

Test	Specification	Value	Comments
Freezing Point Antifreeze		-30°C	
Engine Speed low idle	740-760	745	
Engine Speed high idle	1850-1870	1850	
Single Stall Speed 3 <sup>rd</sup> Gear	1690-1760	1730	
Double Stall Speed	1250-1450	1400	
Cylinder Cut Out Test			See report file
BlowBy L/min	381L/min	74	

## Cycle times

Test	Specification	Value	Comments
Lift Raise	8sec	7,5	
Lift Lower	8sec	7	
Dump empty Bucket	5,5sec	5	
Tilt Back empty Bucket	4,1sec	4	
Steer Left low idle	5,6sec +/-0,9	6	
Steer Right low idle	5,6sec +/-0,9	6	
Steer Left high idle	3,4sec +/-0,3	3,5	
Steer Right high idle	3,4sec +/-0,3	3,5	



Caterpillar 988K Wheel Loader

## Pressure Test

Test	Specification	Value	Comments
Fuel Pressure high idle	493-987 kPa	670	
Engine oil Pressure low idle	103-600kPa	150	
Engine oil Pressure high idle	275-600kPa	450	
Boost Pressure (Stall Speed)	179-242 kPa	212	
Pilot Pressure low idle	3800 +/- 200 kPa	3800	
Main Pump high idle	32800 +/- 600 kPa	32900	
Torque Converter Inlet Pressure (high idle)	550 kPa	550	
Torque Converter Outlet Pressure (stall)	448 +/- 103 kPa	440	
Transmission Oil Pump Pressure (high idle)	2965 +/- 200 kPa	2970	

## Oil analysis

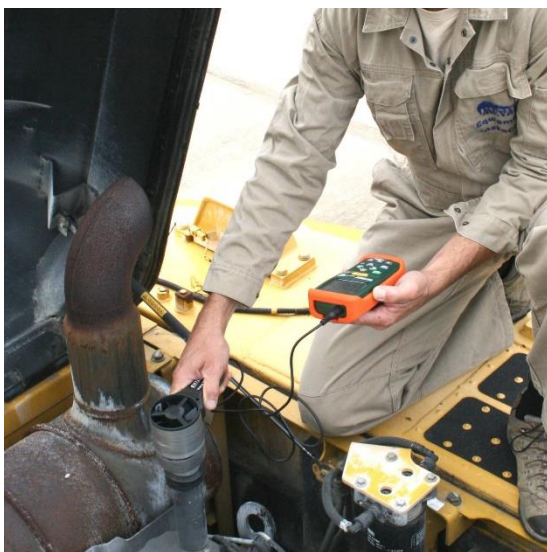
If the running time of the oils used in a heavy machine is known, it makes sense to carry out an oil diagnosis. The technician removes the appropriate fluids according to the instructions. These are sent to a certified laboratory and analysed there. Our team helps to interpret the results of the oil analysis's.

## Oil Sampling Service SOS

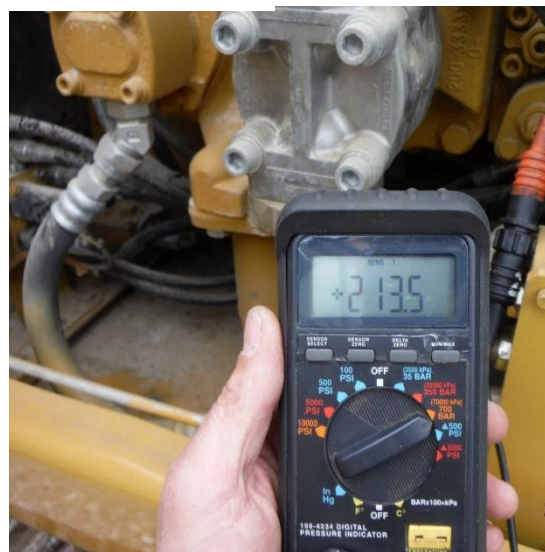
Compartment	Status
Engine	Taken
Engine Coolant	
Hydraulic	Taken
Transmission	Taken
Front Differential	Taken
Rear Differential	Taken
Front Right Final Drive	Taken
Front Left Final Drive	Taken
Rear Right Final Drive	Taken
Rear Left Final Drive	Taken



Oil Sampling



Measuring of engine blow-by



Pressure testing for hydraulics

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