



## MAINTENANCE SERVICE SCHEDULE

The purpose of this technical document is to provide a recommended service maintenance schedule for the EHTX44Y5 – HTX44Y5 and STX55Y6 Ride-On Trowels. This is an expanded list from the operator’s manual. Following this recommended maintenance schedule will help ensure long and reliable service of your Whiteman Ride-on power trowel.

*\*\*\*\*When operating in hotter and dustier condition it’s required to increase oil and air clean service intervals to achieve expected engine performance and life.\*\*\*\**

Do not operate or service the equipment before reading the entire manual. Safety precautions should be followed at all times. Failure to read and understand the safety messages and operating instructions could result in injury to yourself and others.



*\*Allow unit to cool down before turning off to let the turbo temperature cool and stabilize.\**

Daily or Before Use	
Service Item	Notes
Add Clean Fuel	Use clean fresh diesel fuel. No. 2-D
Fuel-Water Separator	Visually inspect separator for signs of water.
Check Engine Oil	SAE 15W-40 above 15 degrees F (-10 C ). Oil Specs. USA: API CD or higher. EU: ACEA E-3, E-4 or E-5.
Check engine coolant level	Use LLC or ELC Coolant/antifreeze. Alternate use an ethylene glycol (green) coolant.
Check Engine Air filter	Inspect filter for dust build up. Clean the filter canister. Do not use pressurized air to clean filter.
Check Seat Switch	Test for proper operation of the seat safety switch. Drive Bypass.
Check Guards	Check that any safety guards are in place and secure.
Check hydraulic oil level	Use the oil condition window to check. Oil should be completely covering the window without a level line. Check when oil is cold.
Check Hydraulic filter indicator	Start unit and allow to warm up. Check the filter indicator.
Hydraulic Cooler/Fan	Inspect cooler for damage and ensure the fan is operational prior to use.
Check Engine RPM	Correct engine RPM will ensure correct blades speed and engine operation. Check and adjust as needed to 3,000 RPM.
Grease Trowel arm bushings, thrust collar.	Using EP2 type grease. Grease all locations prior to use. If the unit is washed/pressure washed off all grease points should be greased after to push out any remaining water. Do not over grease. 1-2 pumps with a hand grease gun all that is needed.
Lubricate Pivots/Linkage	Lubricate foot pedal and pump control linkages. Throttle cable linkage & levers.



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Trowel blades/pans	Replace worn trowel blades and pans as needed. Always replace trowel blades as a set. Worn blades affect unit's power and floor finish.
Lift eyelets and lift strap.	Inspect lift points and lifting strap for any damage prior to transport.

<b>Initial 50 Hours Service</b>	
<i>Service Item</i>	<i>Notes</i>
Change engine oil & filter	This will remove the oil contaminants from engine break-in. <b>Filter P/N 12915035153</b>
Cooling fan belt	Check and adjust as needed for proper belt tension
Hydraulic Filter	Replace hydraulic filter first time at 50 hours. <b>P/N 21107</b>
Check hydraulic pressure	Verify after break-in that all pressures meet specification.
Blade Speed Check	Check for proper blade speed setting. New units will have a break-in of the system that increases blade speed.

<b>Every 100 Hours</b>	
<i>Service Item</i>	<i>Notes</i>
Fuel-Water Separator	Drain the fuel-water separator to purge any water in the bowl.
Electrical – Battery, Grounds, wiring, fuses.	Clean/service battery and cables; Check that ground cables at the engine block are clean and tight. Inspect wires for any chaffing or otherwise loose connections at fuse block.
Spider retaining bolt Torque	See Notes in specification chart.
Blade Speed Check	Check for proper blade speed setting. New units will have a break-in of the system that increases blade speed.
Motor Housing Hardware	Check and tighten hydraulic motor housing bolts and trunnions for loose fasteners.
Check Thrust Plate	Inspect the wear of the thrust bushing and thrust bearing



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<b>Every 250 Hours</b>	
<i>Service Item</i>	<i>Notes</i>
Change Engine Oil & Oil Filter	SAE 15W-40 above 15 degrees F (-10 C ). P/N 12915035153 Oil Specs. USA: API CD or higher. EU: ACEA E-3, E-4 or E-5.
Drain Fuel Tank – Check Strainer	Drain the tank and clean, inspect in-tank filter.
Air filter	Clean filter or replace as needed. <b>P/N PMAF25436</b>
Cooling fan belt	Check and adjust as needed for proper belt tension
Clean/check Radiator	Inspect fin for dirt collection, clean with low pressure air or water. <b>DO NOT USE A HIGH PRESSURE WASHER TO CLEAN.</b>
Muffler	Inspect muffler and mounting hardware
Replace Hydraulic Filter and Oil	Replace filter and oil. Filter <b>P/N 21107</b> AW/MV/ISO 68 hydraulic oil

<b>Every 500 Hours or 2 Years</b>	
<i>Service Item</i>	<i>Notes</i>
Fuel Lines	Replace fuel lines with approved OEM fuel line.
Fuel Filters	Replace main fuel filter at MAX interval of 500 hours. On units with a filter in the water separator, replace filter as well.
Air Filter	Replace Air filter, <b>P/N PMAF25436</b>

<b>Every 1000 hours</b>	
Check Valves	Check and adjust valves. Spec 0.006 - 0.010 " (.15mm - .25mm)
Coolant	Drain, flush and refill the cooling system with new coolant

### Service Specifications & Part Numbers

<b>MQ P/N'S</b>	<b>Description</b>
<b>12915035153</b>	Engine Oil Filter
<b>11980255801</b>	Fuel Filter, Main
<b>29677</b>	In fuel tank strainer
<b>PMAF25436</b>	Air Filter
<b>21107</b>	Hydraulic filter – 10 micron absolute rating filter ONLY
<b>21870</b>	Safety, seat switch for drive bypass



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60082 ( 5 gallon container )	Hydraulic Oil - Use Parker DuraClean oil or AW/MV/ISO 46
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## Specification Notes

Spider Retaining Bolt torque	A keyless tapered spider (new style) will be torqued to 350 ft-lb (475 N.m) and will be marked on the backside of the spider as "TQ350" (See Figure 6). A keyed tapered spider (old style) will be torqued to 130 ft-lb (176 N-m).	
Motor Housing bolts	Tighten to 41 ft-lb (56 N-m) Refer to parts manual for tightening sequence.	
Blade speed Max	EHTX/HTX 140 RPM – STX55Y6 is 130 RPM. Test on dry concrete, unit at operating temperature	
Charge/Steering pressure	EHTX/HTX44Y5 is 195 psi (13.5 bar)	STX55Y6 is 300 psi (20.5 bar)
Pitch Pressure	2250 psi (150 bar)	
Drive Motor relief valves	4350 psi - Each relieve valve is stamped at its rating, 300 bar.	
Engine Oil specs	SAE 15W-40 above 15 degrees F (-10C ). Oil Specs. USA: API CD or higher. EU: ACEA E-3, E-4 or E-5	

