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MAINTENANCE SERVICE SCHEDULE

The purpose of this technical document is to provide pre and post operation inspections that are required to keep the trowel maintained. Performing pre and post inspections will help ensure trowel performance and reduce repairs and down time. Following this recommended maintenance schedule will help ensure long and reliable service of your HTX6H and STX6H Whiteman Ride-on power trowel.

Please Note: *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.

Daily Inspections – Pre-operation Checklist

User must report any items that fail pre-operation checklist and should avoid using until corrected

✓	#	Pre-operation Service List	Notes
	1	Read Operation Manual	Operator's required to read manual before use
	2	Check engine oil	SAW 10W-40, Specs: API CJ-4
	3	Check engine coolant level	Check while cold, the overflow tank sight glass, open right side clamshell to view
	4	Check engine air filter	Do not use pressurized air to clean filter.
	5	Check hydraulic oil	Tank should be approximately 1/3 to 1/2 full when cold
	6	Check seat safety switch	Test for proper operation of the seat safety switch
	7	Diagnostic display	Turn the ign. Key to ON position, check for display operation
	8	Check safety guards & decals	Check all safety guards and safety decals are in place and secure
	9	Check operation of spray and lights	Test function of water spray and trowel lights
	10	Lubricate moving parts	Lubricate all moving parts that are not greased, steering cylinder, heim joints, motor housing pivots, etc.
	11	Grease trowel arm bushings, thrust collars	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. 1~2 pumps with hand grease gun is all that is needed at least twice a day.
	12	Lift eyelets and lift strap	Inspect lift points and lifting strap for any damage prior to lifting for transport
	13	Blade condition and pitch	Check blades for excessive wear, loose hardware. Check for smooth operation of blade pitch



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Daily Inspections – Pre-operation Checklist

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✓	#	Pre-operation Service List	Notes
	14	Check operation of pitch switches / drive bypass	Prior to use, check all switches for proper operation
	15	Hydraulic cooling	Verify the fans cycle to ON for about 10 seconds when the key is turned on
	16	Check steering	Test steering controls to ensure smooth movement
	17	Add clean fuel	Use clean fresh ULSD #2 diesel fuel
	18	Wash and clean	Wash and clean trowel after use to remove concrete buildup. Grease fitting and lubricate pivot points after wash

First 50 Hours Service – Checklist

User must report any items that fail pre-operation checklist and should avoid using until corrected

✓	#	Service Items	Notes
	19	Change engine oil & filter	This will remove the oil contaminants from engine break-in
	20	Check fasteners	Tighten any loose hardware motor housing bolts, Torque: 41 ft-lbs (55.59 Nm) and spiders retaining bolts, Torque: 350 ft-lbs (474.54 Nm)

Every 100 Hours or Annual Service – Checklist

User must report any items that fail pre-operation checklist and should avoid using until corrected

✓	#	Service Items	Notes
	21	Max blade speed	Check rotor blade speed and reset as needed. If reset is needed, recalibrate the stroke cylinder
	22	WST connection and calibrations	Check for any fault codes and recalibrate sensors. Refer to MQ Service and Support webpage or visit: http://service.multiquip.com/whiteman-service-tool.html
	23	Electrical – battery, grounds, wiring and 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
	24	Muffler/DOC	Inspect muffler and mounting hardware
	25	Cooling system	Inspect radiator hoses and cooling fins
	26	Check fasteners	Tighten any loose hardware motor housing bolts, Torque: 41 ft-lbs (55.59Nm) and spiders retaining bolts, Torque: 350 ft-lbs (474.54 Nm)
	27	Check thrust plate	Inspect the wear of the thrust bushing and thrust bearing
	28	Hydraulic coolers	Check for fan operation and clean cooler fins

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Technical Information

Product Group: Ride-on Trowels

Model: HTX6H & STX6H

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Every 500 Hours or 2 Years Service – Checklist

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Please Note: A service reminder is set in the operator's display for Engine Service at 500 hrs.

Reset the service reminder when service is performed

✓	#	Service Items	Notes
	29	Oil change and filter	SAW10W-40, Spec: API CJ-4
	30	Fuel filters	Replace both fuel filters
	31	Air filter	Replace at least every 500 hrs. or as indicated by the operator's display
	32	Engine crankcase breather	Replace filter
	33	Engine belts	Inspect alternator drive belt, replace as needed
	34	Charge-air cooler	Check the charge-air cooler for cleanliness and tight hose clamps

Every 1000 Hours or 4 Years Service – Checklist

User must report any items that fail pre-operation checklist and should avoid using until corrected

✓	#	Service Items	Notes
	35	Hydraulic filters	Replace both hydraulic filters

Every 2000 Hours or 4 Years Service – Checklist

User must report any items that fail pre-operation checklist and should avoid using until corrected

✓	#	Service Items	Notes
	36	Coolant	Change coolant, inspect and replace hoses as needed. Specs: ELC
	37	Hydraulic oil	Change hydraulic oil

Quick Reference Service Items List

MQ Part Numbers	Description
60082 (5 gallon container)	Parker DuraClean Hydraulic Oil - ISO46
Note: The two following kits contain... Engine oil, Fuel, Breather & Air Filter, Hydraulic Filters	
FKITHTX6H	HTX6H Service Filter Kit
FKITSTX6H	STX6H Service Filter Kit
48358	Ride-on trowel – Safety Decals

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Specifications

Fuel type	ULSD #2 Diesel Fuel
Coolant	Havoline Xtended Life Antifreeze/coolant 50% antifreeze/coolant // 50% distilled water
Blade Speed Specs	HTX6H Max speed of 160 STX6H Max speed of 130
Spider Retainer Bolt Torque	Torque: 350 ft-lbs (475 Nm)
Motor Housing Bolt Torque	Tighten to 41 ft-lbs (56 Nm) Refer to operator's manual for tightening sequence
Drive Motor Relief Pressure	4,350 PSI (300 bar)
Steering Pressure	HTX6H: 260 PSI (18 bar) STX6H: 290 PSI (20 bar) +/- 10 PSI
Pitch Pressure	1,850 ~ 2,000 PSI (127 ~ 137 bar)
Charge Pressure	400 PSI (27.5 bar)

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