

Field Inspection: MART Parts Washer

Inspection completed by: _____ Date: _____
 Company name: _____ Phone: _____
 Location: _____
 Customer Contact: _____ Job description: _____
 Phone: _____ E-mail: _____
 Other Contacts: _____ Job description: _____
 Phone: _____ E-mail: _____
 Is this a service call? [] Is this a courtesy visit? [] Walk in or referral: [] Time on
 FSR / SUR: _____ Time on repairing: _____ Time on training: _____ Total time
 spent on visit: _____ Travel time: _____

MART Washer: _____ Serial # _____ Hour Meter Reading: _____

Inspection on washer Components

Result

Safety:

Is the door limit switch functioning?	
Are the front reservoir lids in place?	
Is the control panel closed & secured?	
All wiring is secured in conduit?	
Is the door latch in good condition to securely hold the door closed?	
Does the door position lock hold the turntable steady for loading/unloading in an open position?	
Are the pump coupling guards in place?	
Are the internal reservoir covers secured in place?	
Is an electrical ground wire secured and clearly visible?	

Cabinet Condition:

Is cabinet mechanically anchored to the floor properly?	
Is the inside of the steel cabinet clean & not rusted?	
Are the door bearings in good condition?	
Is Titration being used to control the chemical concentration?	
Record the Chemical in use?	
Is there scheduled maintenance performed on a daily basis?	
Is the cabinet level, so door does not swing open or closed?	

Automatic Steam Exhaust (ASE):

What type of material is used for the exhaust pipe? <input type="checkbox"/> PVC <input type="checkbox"/> Steel <input type="checkbox"/> Other	
Is blower motor shaft parallel to the ground?	
Does the ASE run straight up and out of roof line with a natural draft?	
Is blower motor working?	
Is there a rain cap on the roof?	
Is venturi mounted the minimum distance required from the washer?	
Is Venturi mounted in the horizontal run? [] Vertical run? []	
While running a wash cycle does the ASE keep steam inside of the machine as expected?	

Power Blast Manifold (PBM):

Is PBM oscillating?	
Is the bearing in good condition?	
Is the motor securely mounted to the mounting plate?	
Is PBM crank arm the double bolt style?	
Is PBM linkage in good condition and not worn?	
Is the PBM motor working?	

PBM Swivel :

[] straight [] 90 deg. [] 1" [] 1-1/2" [] 2" [] 2-1/2" [] 3"	
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Inspection on washer Components

Result

What type of swivel is used? <input type="checkbox"/> OPW <input type="checkbox"/> TM	
Is the PBM rotary union free to swivel?	
Does PBM swivel have remote grease fitting?	
Is the PBM swivel seal in good condition and not leaking?	
Is the customer greasing the swivel every 8 hours of service?	

Wash Nozzles :

Record nozzle size and spray angle (GPM deg)	
Number of nozzles on PBM manifold. <input type="checkbox"/> 13 <input type="checkbox"/> 16 <input type="checkbox"/> 20 <input type="checkbox"/> 24 <input type="checkbox"/> 32 <input type="checkbox"/> 48 <input type="checkbox"/> Other- Record #:	
Are the correct number and size of nozzles in the PBM?	
Are the nozzles in good condition and NOT worn or broken?	
Do the nozzles appear to be clean and NOT clogged?	
Are the nozzles aligned properly?	

Pump Suction Screen :

Suction screen dimensions. <input type="checkbox"/> Standard <input type="checkbox"/> Custom - record size Length= Width= Height=	
Is suction screen cleaned on a daily basis?	
Does customer have a suction screen brush?	
Is suction screen in good condition?	
Is Pump Suction Screen in place?	

Turntable Bearings :

Are turntable bearings in good condition?	
Is Lubriplate 1444 being used to grease the bearings?	
Is the customer greasing the bearings every 8 hours of service?	
Is this washer equipped with hub style bearing?	
Does machine have remote grease lines?	

Turntable Drive System :

Is AW2 Grease being used to grease bearings?	
Are turntable bearings in good condition?	
Does turntable drive slip clutch function?	
Is the sprocket in good condition?	
Is the machine tire drive tension adjusted properly?	
Is the tire in good condition?	

Wash Pumps :

Is the pump running?	
Does the pump turn by hand?	
Is the pump running smoothly and not vibrating?	
Do the bearings show NO evidence of excess grease?	
Is the proper grease used to lubricate the pump bearings?	
Are motor couplings in good condition?	
Determine overall condition of pump: <input type="checkbox"/> Replace <input type="checkbox"/> Rebuild <input type="checkbox"/> Good	
Main Pump serial # size: <input type="checkbox"/> 3x2x10 <input type="checkbox"/> 10 <input type="checkbox"/> 20 <input type="checkbox"/> 30 <input type="checkbox"/> 40 <input type="checkbox"/> 50 <input type="checkbox"/> 55 <input type="checkbox"/> 70	
Incoming Voltage Running =	
Main Amp Draw- L1= L2= L3=	
Booster/suction pump serial # Type: <input type="checkbox"/> 4x5x11 <input type="checkbox"/> 15 <input type="checkbox"/> 20	
Booster/suction Amp Draw- L1= L2= L3=	

Heating System :

Does the temperature control turn the heat on and off?	
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Is the thermocouple in place and working?	
Is the thermometer working?	
Specify heating type: <input type="checkbox"/> Nat Gas <input type="checkbox"/> Propane <input type="checkbox"/> Electric _____ kW <input type="checkbox"/> Steam heat	
Number of electrical heating elements? _____	
Element #1 amp - L1 _____ L2 _____ L3 _____ Element #2 amp - L1 _____ L2 _____ L3 _____	
Element #3 amp - L1 _____ L2 _____ L3 _____ Element #4 amp - L1 _____ L2 _____ L3 _____	
If natural gas is plant heat source, does plant have negative pressure affecting the firing of the gas burner?	
Record Gas Burner brand & Size: _____ BTU/HR: _____	

Float System :

Type of float system? <input type="checkbox"/> SS Single Ball <input type="checkbox"/> Two Mini Float Balls <input type="checkbox"/> One Mini & One Plastic Float Ball	
Is the float system a stainless steel single ball type.	
Is the float ball and rod clean?	
Is the Auto Water Fill connected?	
Does raising and lower the float turn the water fill on and off? Is the water fill solenoid working?	
Is there an in-line Water strainer?	
Is the water level set at an acceptable point?	

Rinse System:

Is the solenoid in good working condition?	
Manifold is steel and shows no signs of rusting.	
Are all the nozzles clean?	
Are nozzles oriented properly?	
Are nozzles in good condition?	
Heat Exchanger is steel and shows no signs of rust.	
Machine has a line pressure rinse and not a pump rinse system.	
If machine has an injector pump, is rust inhibitor being used?	
Iron and steel parts are clean and show no signs of flash rust after a wash cycle.	

Oil Skimmer:

Are blades wiping wheel well?	
Oil skimmer blades are in good condition and show little wear.	
Is the wheel SS?	
Is the skimmer motor turning the skimmer?	
The oil skimmer trough is clean and does not build up grease and oil.	
The skimmer wheel is straight, true and is not warped.	
Is the user operating the skimmer at the proper time of day?	

Automatic pressure equalization (APE):

Is the APE system working properly?	
Air pressure applied? _____ psi Air pressure required for washer? _____ psi	
Is air solenoid working?	

General:

Does the 7 day clock work?	
Does the 7 day clock run the oil skimmer?	
Is a daily maintenance schedule posted?	
Is the sludge level less than 4" deep?	
Is the 7-day Clock a digital programmable type?	
Are operators properly trained on daily maintenance?	
Does customer have a transfer pump?	
Reviewed training video with customer?	

