



Safety & Maintenance Inspection: Water Pumps

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Operator/Inspector _____ Date _____ Time _____

What are you inspecting?	✓	What are you looking for?	✓	Evaluator Comments (Yes/No)
ENGINE OIL AND COOLANT LEVEL				
Radiator		Clean, Full		
Oil		Fluid Level		
Throttle		Locked down to 2000 RPM Max?		
Overall Condition		Damage, Leaks		
VACUUM PUMP				
Belt		Adjustment 3/8" to 1/2" free play?		
Oil Feed and Return Hoses		Tight, Overall Condition		
Overall Condition		Damage, Leaks		
COUPLER				
Overall Condition		Damage, Signs of Fatigue		
Element Secured		Element Secured?		
Cracking		Signs of Cracking?		
DISCHARGE NON RETURN VALVE				
Seat		Clean, Clear of Debris		
Overall Condition		Chips, Cracks, Missing Pieces		
IMPELLER				
Overall Condition		Clean, Signs of Debris		
Vanes		Damage		
FLOAT GEAR				
<i>De-energize machine to lockout prior to performing this step. Use caution when removing valve assembly. Always read the OMM.</i>				
Float		Is it tight? (Reach hand up into sump and grab float to check)		
Wear		Is there excessive side to side wear? (Should be less than 2" of movement)		
COALESCER OIL				
Oil		Clean, Water Present, Level to bottom of thread		
Water		Is water drained out of system?		
BEARINGS				
Front and Rear		Greased		
Bolts		Tight		
Overall Condition		Any discoloration to housing?		
SEAL CARRIER				
Allen Heads				
Are allen head bolts flush or recessed? (If recessed or leaking, refer to website for replacing seal packing. www.ameripumps.com/pump_disassemble.php)				
SYSTEM CHECK (Start up Machine)				
Gauges		Functioning Properly		
System		Is system pulling/holding at least 25 hsg?		
System Bleed		Does system slowly bleed down when stopping?		
CANOPY AND FRAME				
Fuel		Check Level		
Jacks, Fenders, Canopy		Damage, Overall Condition		
Labels and Indicators		Fully operational, Legible		
Overall Condition		Damage, Clean		

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<http://safety.cat.com/checklists>

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