

Maintenance Work Order

Work Order: 40632
Priority: Normal
Due Date:

Scheduling:

Mechanic Name	Schedule Date	Work Complete?
	7/30/2025	☒
	7/30/2025	☒
	7/30/2025	☒

Status: Closed
Status Date: 7/29/2026
Total Cost: \$8,576.51

Equipment ID: 70907
Description: VOLVO PF7170 10' RUBBER TIRE PAVER
Work Order Job: 21005
VIN #
Current Job: RV YARD
Serial # 387058
Current Location: RV YARD
License Plate #
Equipment Foreman: System Admin
Make: VOLVO
Work Order Foreman: System Admin
Model: PF7170
Carrier Name:

Meter Reading: Hours: 6893 on 7/23/2025 by
Odometer: on by
Last Hour Service (Lifetime): 6893 (6893) on 11/12/2025
Last Odometer Service (Lifetime): on

Problem Description: Engine ECM fault code, replaced engine ECM with reman

Labor Items:

Work Code	Item Code	ST	OT	DT	Total \$
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Repair Electrical System/Starting/Battery

Time Card Date	Mechanic	Reg. Hours	Double Time	Overtime	Total Hours
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07/29/2025

Travel Time Travel Time

Time Card Date	Mechanic	Reg. Hours	Double Time	Overtime	Total Hours
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07/29/2025

Parts List:

Part Num	Name	UOM	Qty Used	Total \$
*Core Charge	Core Charge	E		1
*labor	labor	E		1
20374662	RELAY	E		2
9060100011	ECU	E		1
MILEAGE	MILEAGE TO SITE	E		1
SHOP	SHOP SUPPLIES	E		1

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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	Total \$
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	Total \$
*Core Charge		S01033488-1	70907	1.00	
9060100011		S01033488-1	70907	1.00	
*labor		W01013056-1	70907	1.00	
MILEAGE	MILEAGE TO SITE	W01013056-1	70907	1.00	
SHOP	SHOP SUPPLUES	W01013056-1	70907	1.00	
20374662		G14022	70907 /70910	2.00	

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Notes:

7/30/2025 Greg Prater 7-29-25... wrote, and I found the grid heater intake was staying powered continuously, removed the cable from the grid heater, which stopped the fuse from blowing, machine still had a no-start condition with active fault codes

-Engine ECU

-SPN 639 FMI 11-General system

-SPN 638 FMI 11-Propel System

7-30-25... wrote, and I worked with Blaw-Knox on a conference call to troubleshoot the no-crank/CAN bus failure, verified all wiring from the engine ECM to the gateway controller checked good, swapped the engine ECM into the paver 70908, and the same General Purpose and Propel CAN bus faults occurred, Machine would not crank or run, confirming a faulty engine ECM, order a remanufacture engine ECM from McClung-Logan

7-31-25... wrote...Installed the reman engine ECM, Marlon (McClung-Logan) programmed the ECU, INV 25529 (1 year warranty) 6,893 hours

8-1-25... wrote, (Blaw-Knox) and (McClung-Logan) assisted with trouble shooting, verified the CAN bus network from the engine ECM through gateway, General Purpose and Propel controllers, all wiring tested good, programmed and installed a new General Purpose pump controller with no change, replaced ignition switch due to intermittent power-up issues, installed dead plugs on both screed harness connectors, which cleared the CAN bus fault codes, maxine still would not crank from the key switch applied power with a power probe to TP pin 1326 while holding the key in start position and the engine started, hydraulic system came on line and the paver operated normally, removed the dead plugs and the CAN bus faults did not return. also noticed that the engine hours were not correct to what they were before

8-3-25... wrote, notified (McClung-Logan) and that the replacement ECM was programmed with an incorrect hour meter reading, advised he will return to correct the hours, Engine hours prior to ECM replacement were 6,893 hours

8-3-25....When ECM was flashed from reman ECM it picked up hours that were on the reman ECM