

User: Peters, Brett P.

Created Date: Jan 29, 2025

Serial Number: B9D02295

Product Family: MOTOR GRADER

Model: 140M

SMU / Hours:

Year: 2010

SERVICE HISTORY (168 Records)

Invoice Date	Invoice Type	SMU / Hours	Description	Notes
Nov 26, 2024	Service	11,132	Travel To/from Machine	Traveled to machine multiple times from home and Back to get transmission installed and leaks fixed 24 miles 11-11-24
Nov 26, 2024	Service	11,132	Install Transmission	<p>----- Customer complaint Install transmission ----- Cause of failure Installation of transmission -----</p> <p>Correction -got transmission out of shop and brought out to Machine -cleaned up flywheel housing and installed oring On transmission housing with grease -lined up transmission splines and installed in Machine frame with mounting bolts and mounting Frame -installed drive shaft, transmission lines, and Hydraulic pump lines -connected electrical wiring to transmission and Fan pump -installed hydraulic tank with batteries and Engine rubber dividing transmission -connected battery connections, hydraulic return Lines, engine drain lines, and coolant drain -installed air lines, coolant lines in place and Set cooling package in place -connected lines and hydraulic hoses -customer assisted installing engine enclosure -mounted closure with bolts, connected electrical Connections and mounted electrical box back in Place -drove machine into shop and installed rest of Enclosure panels -ran machine and found transmission leaks on some Covers, ordered parts -topped off engine oil -installed new transmission filter, removed Transmission covers and installed new orings -charged up a/c system with 4 lbs of freon -removed plates off of the back of transmission And removed old orings, installed new orings in Plates -fire up machine checked for leaks, and got Machine 140 degrees f after running for 45 mins. And ran trans calibration -installed belly pan and no leaks found -----</p> <p>Contingent damage if any -got transmission filter changed and filled Transmission with customer's transmission fluid ----</p> <p>----- Complications if any N/a -----</p> <p>----- Leaks on transmission covers needs sealed up, Trans calibration, filter changed</p>
Nov 06, 2024	Parts			
Nov 06, 2024	Parts			

Oct 24, 2024	Service	11,128	Inspect Machine	Job hazard analysis completed
Oct 24, 2024	Service	11,128	Travel To/from Machine	Traveled to machine from home and back twice to Pull the transmission
Oct 24, 2024	Service	11,128	Inspect Machine	Job hazard analysis completed
Oct 24, 2024	Service	11,128	Remove Transmission	<p>----- Customer complaint Remove transmission ----- Cause of failure Reverse clutch pack burnt up -----</p> <p>Correction -pulled psr on machine -disconnected all hood connections and moved Machine outside, shop too small to pull hood off -drained coolant, hydraulic oil, and removed hood -disconnected all coolant lines, air to air lines, Then removed cooling package -disconnected all lines from battery stand and Marked them -removed battery stand with hydraulic tank -disconnected driveshaft and removed - disconnected electrical harness and removed from Transmission -removed hydraulic fan lines and transmission Lines -removed transmission mounts, blocked up back of Engine, and pulled transmission out -set transmission in customer's shop ----- Contingent damage if any N/a ----- Complications if any -couldn't get transmission pump suction line Removed, cut line Customer will contact us when ready to install Transmission -----</p>
Oct 04, 2024	Service	11,128	Inspect Machine	Ta1: 1.4 reverse isn't working,
Oct 04, 2024	Service	11,128	Travel To/from Machine	Travel to/from machine once
Oct 04, 2024	Service	11,128	Inspect Machine	Ta1: 1.4 reverse isn't working,
Oct 04, 2024	Service	11,128	Troubleshoot Transmission Planetary	<p>----- Customer complaint Machine will barely go in reverse ----- Cause of failure Clutch 3/ reverse pack wore out -----</p> <p>----- Correction -got to machine and confirmed issue - hooked up with et and check for codes, only codes Related were speed codes -hooked up gauge to clutch 3 and checked pressure, Pressure modulated up to 400 psi as it should - when changing gears pressure stayed at 400 psi -diagnosed reverse clutch pack bad and called Customer -customer was going to pull out call supervisor For pricing and options -----</p> <p>----- Contingent damage if any N/a -----</p> <p>----- Complications if any N/a -----</p> <p>-----</p>

Jul 10, 2024	Service	11,036	Inspect Machine	
				----- Customer complaint Left door glass broke ----- Cause of failure Wind caught door and window broke ----- Correction -removed door from machine -went to install glass and it was wrong glass Twice -took glass to good guys glass at kirksville -glass kit dropped at good guys glass and was Installed, customer picked up and installed door On machine
Jul 10, 2024	Service	11,036	Remove & Install Window Glass	----- Contingent damage if any N/a ---- ----- Complications if any -wrong glass was ordered 2 of 3 times, followed up On old work ordered and found window kit that has To be installed on machine - good guys glass could cut and temper glass but Would be 3 weeks out and cat glass was about 2 Weeks out ----- ----- Glass has been ordered on customer account over Counter
Jul 10, 2024	Service	11,036	Inspect Machine	
Jul 10, 2024	Service	11,036	Troubleshoot Air Conditioner	----- Customer complaint A/c doesn't work the best ----- Cause of failure A/c cabin filters ----- Correction -ran a/c while door was out and pressures looked Good and was cold at high idle and low idle -pulled filter out and air seemed to blow harder -diagnosed filters as bad and customer replaced ----- ----- Contingent damage if any N/a ---- ----- Complications if any N/a ----- -----
Jul 10, 2024	Service	11,036	Travel To/from Machine	Traveled to machine from drop box then back home
Jun 19, 2024	Parts			
Jun 18, 2024	Parts			
Jun 07, 2024	Parts			
Mar 08, 2024	Parts			
Feb 02, 2024	Parts			
Jan 31, 2024	Service	1,971	Inspect Machine	Ta1 completed as well as site hazard analysis

Jan 31, 2024	Service	1,971	Troubleshoot Water Pump	----- Customer complaint Machine making squealing ----- Cause of failure Water pump ----- Correction - fired up machine and confirmed noise from machine - removed front engine enclosure plate -removed belt, and spun all pulleys -found water pump bearings didn't feel good and Alternator bearings were squealing a bit -customer just wanted water pump for now and would Deal with alternator some other time -diagnosed water pump as bad and ordered parts -installed belt and engine enclosure plate back on Machine so customer could run ----- Contingent damage if any -customer wanted kill switch replaced because it Wasn't working ----- --- Complications if any N/a ----- Needs switch replaced, customer contacted kyle
Jan 31, 2024	Service	1,971	Inspect Machine	Ta1 completed as well as site hazard analysis
Jan 31, 2024	Service	1,971	Travel To/from Machine	----- Customer complaint Travel to and from machine ----- Cause of failure Traveling ----- Correction Traveled to machine location and back home twice. Once for diagnosing and the other for repair ----- Contingent damage if any N/a ----- Complications if any N/a -----
Jan 31, 2024	Service	1,971	Repair Water Pump	----- Customer complaint Water pump squealing ----- Cause of failure Water pump ----- Correction -drained engine coolant from machine -removed right side door and front panel -removed belt, alternator and a/c compressor - removed water pump from machine -swapped water pump parts from old pump to new Pump with new orings -installed water pump -installed alternator, a/c compressor, and new Belt -filled coolant up and let machine run for 10 Mins. - checked for leaks and no leaks -installed front panel and right side door ----- Contingent damage if any -coolant hoses ripped when removing and needed Replaced ----- Complications if any - found transmission dipstick was broke, removed And customer welded back together, reinstalled ----- -----
Nov 22, 2023	Parts			
Jul 25, 2023	Service	10,827	Inspect Machine	Inseption performed Inseption performed
Jul 25, 2023	Service	10,827	Inspect Machine	Inseption performed Inseption performed

Jul 25, 2023

Service

10,827

Repair Circle Segment

 Customer complaint Customer complaint Moldboard is loose
 Moldboard is loose -----
 ----- Cause of failure Cause of failure Moldboard
 wear strips Moldboard wear strips -----
 ----- Correction Correction -removed
 all four plates and loosened adjustments -removed all four
 plates and loosened adjustments -removed old wear strips -
 removed old wear strips -installed new wear strips on the top
 -installed new wear strips on the top -lowered blade against
 the ground and installed -lowered blade against the ground
 and installed Bottom wear strips Bottom wear strips -lifted
 blade off the ground and adjusted wear -lifted blade off the
 ground and adjusted wear Strips Strips -slid moldboard and
 sprayed down with moly lube -slid moldboard and sprayed
 down with moly lube And same with the circle And same with
 the circle -----
 ----- Contingent damage if any Contingent damage if any N/a
 N/a -----
 ----- Complications if any Complications if any N/a N/a -----

Jul 25, 2023

Service

10,827

Inspect Machine

 Customer complaint Customer complaint Preform ta1
 inspection on machine at customer Preform ta1 inspection on
 machine at customer Request Request -----
 ----- Cause of failure Cause of
 failure Inspection Inspection -----
 ----- Correction Correction -inspected
 machine and found transmission oil low -inspected machine
 and found transmission oil low -possible transmission oil
 leaks found on front -possible transmission oil leaks found on
 front And rear of transmission And rear of transmission -
 found engine oil pan leaking a bit -found engine oil pan
 leaking a bit -bent front crossover beam -bent front crossover
 beam -implement ecm and message display needed updated
 -implement ecm and message display needed updated -
 confirmed customer's issue with wear plates for -confirmed
 customer's issue with wear plates for Moldboard are gone
 and new ones need installed Moldboard are gone and new
 ones need installed -cleared all old codes, none of them
 looked recent -cleared all old codes, none of them looked
 recent -----
 ----- Contingent damage if any Contingent damage if any N/a
 N/a -----
 ----- Complications if any Complications if any N/a N/a -----

Jul 25, 2023	Service	10,827	Travel To/from Machine	Customer complaint Travel to and from machine Cause of failure Traveling Correction Traveled to machine from parts drop and then back Home Contingent damage if any Complications if any
Jul 19, 2023	Parts			
May 27, 2023	Parts			
May 25, 2023	Parts			
Apr 05, 2023	Parts			
Nov 29, 2022	Parts			
Jun 09, 2022	Parts			
Jun 07, 2022	Parts			
May 20, 2022	Parts			
May 12, 2022	Parts			
Feb 11, 2022	Parts			
Feb 10, 2022	Parts			
Jan 31, 2022	Parts			
Jan 31, 2022	Parts			
Jan 27, 2022	Parts			
Jan 25, 2022	Parts			
Jul 28, 2021	Parts			
Jun 15, 2021	Parts			
Jun 11, 2021	Parts			

May 11, 2021 Parts

Feb 26, 2021 Parts

Feb 25, 2021 Parts

Feb 24, 2021 Parts

Feb 05, 2021 Parts

Nov 30, 2020

Service

9,531

Perform Pip / Psp
Product Link System

Customer complaint Customer complaint Performed ps46648
on machine Performed ps46648 on machine -----
----- Cause of failure Cause
of failure Na Na -----
----- Correction Correction I went to the machine and
performed ps46648. i I went to the machine and performed
ps46648. i Did a psr download and updated all the software.
Did a psr download and updated all the software. I replaced
the radio and tried to flash the I replaced the radio and tried
to flash the Network manager. it failed a couple of times and
Network manager. it failed a couple of times and Then let me
flash it but it got stuck at 90%. i Then let me flash it but it got
stuck at 90%. i Aborted it and tried it agian and it got stuck
Aborted it and tried it agian and it got stuck Again in same
spot. i talked with joey horn and Again in same spot. i talked
with joey horn and He recomended going to an older
software. so i He recomended going to an older software. so i
Tried that and it got stuck at 90% also. i talked Tried that and
it got stuck at 90% also. i talked To joey again and he said to
replace the network To joey again and he said to replace the
network Manager. so i ordered a or network manager and
Manager. so i ordered a or network manager and Someone is
going to put it on. Someone is going to put it on. Thank you
troy echternacht Thank you troy echternacht I installed
network manager like instructed to and I installed network
manager like instructed to and Try to install new software.
software was stuck Try to install new software. software was
stuck Installing at 90% multiple attempts was made. Installing
at 90% multiple attempts was made. Hotline was called and
multiple attempts to update Hotline was called and multiple
attempts to update Software was attempt and failed, hotline
now Software was attempt and failed, hotline now
Recommended new wiring to be installed. i returned
Recommended new wiring to be installed. i returned With
new harness but first attempted to install With new harness
but first attempted to install Software in product manager by
bypassing harness, Software in product manager by
bypassing harness, The software took a few attempts but
eventually The software took a few attempts but eventually
Was successfully. new radio was also updated in Was
successfully. new radio was also updated in Software and
took multiple attempts but was now Software and took
multiple attempts but was now Successful. machine pl was
confirmed working Successful. machine pl was confirmed
working Correctly before i left site. thank you adam Correctly
before i left site. thank you adam Jones. Jones. -----
----- Contingent damage
if any Contingent damage if any None None -----
----- Complications if any
Complications if any Network manager issues, several calls to
hotline Network manager issues, several calls to hotline And
tc And tc -----

Nov 30, 2020	Service	9,531	Travel To & From Machine	Drove from memphis to hannibal shop Drove from memphis to hannibal shop Drove from home to memphis Drove from home to memphis
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Nov 30, 2020	Service	9,531	Travel To & From Machine	Drove from memphis to hannibal shop Drove from memphis to hannibal shop Drove from home to memphis Drove from home to memphis
Nov 11, 2020	Parts			
Oct 29, 2020	Parts			
Aug 26, 2020	Parts			
Aug 25, 2020	Parts			
May 22, 2020	Parts			
Apr 29, 2020	Parts			
Apr 03, 2020	Service	8,800	Travel To & From Machine	Machine was located at scotland county shop. Machine was located at scotland county shop.
Apr 03, 2020	Service	8,800	Repair Air Conditioner	<p>-----</p> <p>Customer complaint Customer complaint Ac not working Ac not working -----</p> <p>----- Cause of failure Cause of failure Ac compressor failed. Ac compressor failed. -----</p> <p>----- Correction Correction New compressor and dryer was installed onto New compressor and dryer was installed onto Machine then system was filled up with freon R-134 then tested no other faults was found at R-134 then tested no other faults was found at This time. This time. -----</p> <p>----- Contingent damage if any Contingent damage if any None None -----</p> <p>----- Complications if any Complications if any None None -----</p> <p>-----</p>

Apr 03, 2020	Service	8,800	Troubleshoot Air Conditioner	Customer complaint Ac not working Cause of failure Ac compressor Correction Ac system was troubleshot and i found Compressor clutch not functioning any More Contingent damage if any Complications if any
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Feb 04, 2020 Parts

Jan 11, 2020 Parts

Oct 08, 2019 Parts

Jun 21, 2019 Parts

Mar 20, 2019 Parts

Feb 13, 2019 Parts

Oct 24, 2018 Parts

Sep 13, 2018 Parts

Apr 30, 2018	Service	7,499	Repair Air Conditioner	Customer complaint The a/c is not working Cause of failure The pins are arced out causing a bad connection. Correction I drove to the machine and spoke with the Customer. he said the clutch will kick out but if He wiggled the wires to the low pressure switch it Would start working again. i unplugged the Connector and found the pins in the connector were Arcing causing a bad connection. i installed new Pins on the wires and tested the machine. the a/c Is working fine now. thanks chris. Contingent damage if any Compressor clutch not kicking in due to arced Pins to the low pressure switch. Complications if any Na
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Apr 18, 2018 Parts

Apr 11, 2018 Parts

Oct 13, 2017 Parts

Aug 31, 2017	Parts
Aug 08, 2017	Parts
Jul 31, 2017	Parts
Apr 28, 2017	Parts
Apr 26, 2017	Parts
Jan 10, 2017	Parts
Dec 28, 2016	Parts

Dec 15, 2016	Service	5,713	Repair Air Conditioner	<p>----- Customer complaint A/c not working correctly ----- Cause of failure Wires broken in the harness going to the Compressor ----- I hooked to the machine with et and found the Compressor clutch would not engage. i checked for Power at the compressor and had none. i went Through the schematic and traced the wires. i Found the power wire going to the compressor was Broken. i repaired the wire and the a/c is working Fine now. thanks chris ----- Contingent damage if any Na ----- Complications if any Na ----- Ryan said it has a charge but compressor won't Engage.</p>
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Oct 21, 2016	Service	5,522	Repair Alternator	Customer to install
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Oct 19, 2016	Service	5,298	Troubleshoot & Repair Pilot Control Valve	<p>Customer complaint: The implements will not move and the machine has a Code in it. Cause of failure: Implement lock out solenoid is bad Resultant damage: Implements will not move Repair process comments: I drove to the machine had hooked to it with et. i Found a code for the implement lock solenoid. i Shorted the solenoid and the code changed states. I removed the solenoid and installed a new one. i Tested the machine and it is working fine now. Thanks!!! chris bird 385-5 implement hyd solenoid curent below normal</p>
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Oct 19, 2016	Service	5,298	Travel To & From Machine	
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Oct 19, 2016	Service	5,298	Troubleshoot & Repair Pilot Control Valve	Customer complaint: The implements will not move and the machine has a Code in it. Cause of failure: Implement lock out solenoid is bad Resultant damage: Implements will not move Repair process comments: I drove to the machine had hooked to it with et. i Found a code for the implement lock solenoid. i Shorted the solenoid and the code changed states. I removed the solenoid and installed a new one. i Tested the machine and it is working fine now. Thanks!!! chris bird 385-5 implement hyd solenoid curent below normal
Oct 18, 2016	Parts			
Oct 07, 2016	Service	5,298	Troubleshoot & Repair Pilot Control Valve	Customer complaint: The implements will not move and the machine has a Code in it. Cause of failure: Implement lock out solenoid is bad Resultant damage: Implements will not move Repair process comments: I drove to the machine had hooked to it with et. i Found a code for the implement lock solenoid. i Shorted the solenoid and the code changed states. I removed the solenoid and installed a new one. i Tested the machine and it is working fine now. Thanks!!! chris bird 385-5 implement hyd solenoid curent below normal
Oct 07, 2016	Service	5,298	Travel To & From Machine	
Sep 23, 2016	Service	5,298	Travel To & From Machine	
Sep 23, 2016	Service	5,298	Troubleshoot & Repair Pilot Control Valve	Customer complaint: The implements will not move and the machine has a Code in it. Cause of failure: Implement lock out solenoid is bad Resultant damage: Implements will not move Repair process comments: I drove to the machine had hooked to it with et. i Found a code for the implement lock solenoid. i Shorted the solenoid and the code changed states. I removed the solenoid and installed a new one. i Tested the machine and it is working fine now. Thanks!!! chris bird 385-5 implement hyd solenoid curent below normal
May 28, 2016	Parts			
Mar 29, 2016	Parts			
Mar 26, 2016	Parts			
Mar 05, 2016	Parts			
Dec 22, 2015	Service	4,496	Additional Parts	Extended protection plan powertrain and hydraulic 12/1000 Start hours: 4496 start date: 10/29/15 End hours: 5496 end date: 10/29/16

Dec 22, 2015	Service	4,496	Additional Parts	Extended protection plan powertrain and hydraulic 12/1000 Start hours: 4496 start date: 10/29/15 End hours: 5496 end date: 10/29/16
Dec 03, 2015	Service	4,570	Perform Product Update On Product Link System	Customer complaint: PI needs to be updated to the 641. Cause of failure: Na Resultant damage: Na Repair process comments: Removed the old 522 pl and installed the new 641. I flashed all ecms with the latest flash files. Thanks chris Product link
Dec 03, 2015	Service	4,570	Travel To & From Machine	
Dec 03, 2015	Service	4,570	Perform Product Update On Product Link System	Customer complaint: PI needs to be updated to the 641. Cause of failure: Na Resultant damage: Na Repair process comments: Removed the old 522 pl and installed the new 641. I flashed all ecms with the latest flash files. Thanks chris Product link
Dec 03, 2015	Service	4,570	Travel To & From Machine	
Dec 03, 2015	Service	4,570	Perform Product Update On Product Link System	Customer complaint: PI needs to be updated to the 641. Cause of failure: Na Resultant damage: Na Repair process comments: Removed the old 522 pl and installed the new 641. I flashed all ecms with the latest flash files. Thanks chris Product link
Dec 03, 2015	Service	4,570	Travel To & From Machine	
Dec 03, 2015	Service	4,570	Perform Product Update On Product Link System	Customer complaint: PI needs to be updated to the 641. Cause of failure: Na Resultant damage: Na Repair process comments: Removed the old 522 pl and installed the new 641. I flashed all ecms with the latest flash files. Thanks chris Product link
Dec 03, 2015	Service	4,570	Travel To & From Machine	
Nov 19, 2015	Service	4,570	Perform Product Update On Product Link System	Customer complaint: PI needs to be updated to the 641. Cause of failure: Na Resultant damage: Na Repair process comments: Removed the old 522 pl and installed the new 641. I flashed all ecms with the latest flash files. Thanks chris Product link
Nov 19, 2015	Service	4,570	Travel To & From Machine	

Nov 19, 2015	Service	4,570	Travel To & From Machine	
Nov 19, 2015	Service	4,570	Perform Product Update On Product Link System	Customer complaint: PI needs to be updated to the 641. Cause of failure: Na Resultant damage: Na Repair process comments: Removed the old 522 pl and installed the new 641. I flashed all ecms with the latest flash files. Thanks chris Product link
Oct 14, 2015	Parts			
Oct 10, 2015	Service	4,428	Repair For Warranty Coolant Hose/lines	Customer complaint: Hose had hole in it. Cause of failure: Hose was rubbing the small steel tube beside it And had rubbed hole in it. Resultant damage: New hose. Repair process comments: I drained the coolant from the machine. i found The sleeve in the tank group had come out of the Tank and was in the bottom fitting. i installed The tube back in the tank. i removed the hose and I installed new hose. i checked to make sure it Wasn't rubbing any where. i filled with coolant And ran machine.
Oct 10, 2015	Service	4,428	Repair For Warranty Articulation Valve	Customer complaint: Articulation drifts off center. Cause of failure: Check valves seeping. Resultant damage: New check valves. Repair process comments: I removed the front hood groups. then i relieved The pressure on the articulation . i removed both Check valves from the valve body. i installed Both check valves and the center piston. i Operated the machine and it seemed to be fine and There was no leaks. thank you joe pickett
Oct 10, 2015	Service	4,428	Troubleshoot Coolant Hose/lines	Customer complaint: Hose had hole in it. Cause of failure: Hose was rubbing the small steel tube beside it And had rubbed hole in it. Resultant damage: New hose. Repair process comments: I opened the rh side door and the 5p1251 hose was Rubbing steel tube and was seeping coolant. 1" hose from the coolant tank has a hole in it
Oct 10, 2015	Service	4,428	Troubleshoot Articulation Valve	Customer complaint: Articulation drifts off center. Cause of failure: Check valves seeping. Resultant damage: New check valves. Repair process comments: I went machine and ryan said that the articulation Was drifting off center. i checked and the only Thing i could see was the check valves had to be Seeping. Complaint: articulation drifts off center
Oct 10, 2015	Service	4,428	Travel To & From Machine	
Oct 10, 2015	Service	4,428	Travel To & From Machine	

Oct 10, 2015	Service	4,428	Repair For Warranty Articulation Valve	Customer complaint: Articulation drifts off center. Cause of failure: Check valves seeping. Resultant damage: New check valves. Repair process comments: I removed the front hood groups. then i relieved The pressure on the articulation . i removed both Check valves from the valve body. i installed Both check valves and the center piston. i Operated the machine and it seemed to be fine and There was no leaks. thank you joe pickett
Oct 10, 2015	Service	4,428	Troubleshoot Coolant Hose/lines	Customer complaint: Hose had hole in it. Cause of failure: Hose was rubbing the small steel tube beside it And had rubbed hole in it. Resultant damage: New hose. Repair process comments: I opened the rh side door and the 5p1251 hose was Rubbing steel tube and was seeping coolant. 1" hose from the coolant tank has a hole in it
Oct 10, 2015	Service	4,428	Repair For Warranty Coolant Hose/lines	Customer complaint: Hose had hole in it. Cause of failure: Hose was rubbing the small steel tube beside it And had rubbed hole in it. Resultant damage: New hose. Repair process comments: I drained the coolant from the machine. i found The sleeve in the tank group had come out of the Tank and was in the bottom fitting. i installed The tube back in the tank. i removed the hose and I installed new hose. i checked to make sure it Wasn't rubbing any where. i filled with coolant And ran machine.
Oct 10, 2015	Service	4,428	Troubleshoot Articulation Valve	Customer complaint: Articulation drifts off center. Cause of failure: Check valves seeping. Resultant damage: New check valves. Repair process comments: I went machine and ryan said that the articulation Was drifting off center. i checked and the only Thing i could see was the check valves had to be Seeping. Complaint: articulation drifts off center
Oct 02, 2015	Parts			
Oct 02, 2015	Parts			
Jul 15, 2015	Parts			
Jul 11, 2015	Service	4,111	Repair For Warranty Air Conditioner	Customer complaint: A/c not working. Cause of failure: Wiring. Resultant damage: New low pressure switch. Repair process comments: I went to machine and i hooked up gauges and had Ryan start machine . the pressure were little High. i also wiggled the wiring and found the low Pressure switch wires were making the clutch on And off. i installed the new low pressure gauge And also installed two new sockets on the Harness to the connector of the low pressure Switch. i also checked and found that the after Cooler was plugged some . i cleaned and the Pressures were down to 14 low and 155 high Cooling good.






Jul 11, 2015	Service	4,111	Troubleshoot Engine Enclosure	Customer complaint: Customer called in and said that both big engine Enclosures doors and the two narrow doors were Also cracking the tabs off. Cause of failure: Possible vibration. Resultant damage: Needs new doors. Repair process comments: We ordered new doors and when the came in i Installed new decals on them.
Jul 11, 2015	Service	4,111	Repair For Warranty Engine Enclosure	Customer complaint: Customer called in and said that both big engine Enclosures doors and the two narrow doors were Also cracking the tabs off. Cause of failure: Possible vibration. Resultant damage: Needs new doors. Repair process comments: We had dave take doors to memphis to the drop box. I went to machine and i removed both big engine Enclosure doors. i also removed the door latches And installed them on new doors. i installed new Bumpers on them also.i installed them on machine . i removed the rear 3087777 panels and installed 2 new panels after painting them.
Jul 11, 2015	Service	4,111	Travel To & From Machine	
Jul 11, 2015	Service	4,111	Repair For Warranty Engine Enclosure	Customer complaint: Customer called in and said that both big engine Enclosures doors and the two narrow doors were Also cracking the tabs off. Cause of failure: Possible vibration. Resultant damage: Needs new doors. Repair process comments: We had dave take doors to memphis to the drop box. I went to machine and i removed both big engine Enclosure doors. i also removed the door latches And installed them on new doors. i installed new Bumpers on them also.i installed them on machine . i removed the rear 3087777 panels and installed 2 new panels after painting them.
Jul 11, 2015	Service	4,111	Travel To & From Machine	
Jul 11, 2015	Service	4,111	Repair For Warranty Air Conditioner	Customer complaint: A/c not working. Cause of failure: Wiring. Resultant damage: New low pressure switch. Repair process comments: I went to machine and i hooked up gauges and had Ryan start machine . the pressure were little High. i also wiggled the wiring and found the low Pressure switch wires were making the clutch on And off. i installed the new low pressure gauge And also installed two new sockets on the Harness to the connector of the low pressure Switch. i also checked and found that the after Cooler was plugged some . i cleaned and the Pressures were down to 14 low and 155 high Cooling good.






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Jul 08, 2015	Parts			
Jun 26, 2015	Parts			
May 21, 2015	Parts			
May 14, 2015	Service	3,961	Repair For Warranty Radio	Customer complaint: Radio and a/c shutting off Cause of failure: 24 to 12 volt converter Resultant damage: Radio and a/c shutting off. Repair process comments: I removed the a/c control and the radio from the Headliner. i removed the converter from the Machine. i installed the new converter and tested The operation. it was all working as is should. Thanks chris.
May 14, 2015	Service	3,961	Troubleshoot Air Conditioner	Customer complaint: The radio and the a/c is will intermittently shut Off while operating the machine Cause of failure: The 24 to 12 volt converter is bad Resultant damage: Radio and the a/c control is loosing power. Repair process comments: I drove to the machine and checked the operation Of the machine. the radio was loosing power and Shutting off intermittently. i found the a/c and The radio had a power wire in common. i found They were both supplied by the 12 volt converter. I checked power at the converter and it was the Problem. thanks chris.
May 14, 2015	Service	3,961	Travel To & From Machine	
May 14, 2015	Service	3,961	Travel To & From Machine	
May 14, 2015	Service	3,961	Troubleshoot Air Conditioner	Customer complaint: The radio and the a/c is will intermittently shut Off while operating the machine Cause of failure: The 24 to 12 volt converter is bad Resultant damage: Radio and the a/c control is loosing power. Repair process comments: I drove to the machine and checked the operation Of the machine. the radio was loosing power and Shutting off intermittently. i found the a/c and The radio had a power wire in common. i found They were both supplied by the 12 volt converter. I checked power at the converter and it was the Problem. thanks chris.

May 14, 2015	Service	3,961	Repair For Warranty Radio	Customer complaint: Radio and a/c shutting off Cause of failure: 24 to 12 volt converter Resultant damage: Radio and a/c shutting off. Repair process comments: I removed the a/c control and the radio from the Headliner. i removed the converter from the Machine. i installed the new converter and tested The operation. it was all working as is should. Thanks chris.
May 07, 2015	Parts			
Mar 27, 2015	Parts			
Mar 27, 2015	Parts			
Mar 18, 2015	Service	3,762	Troubleshoot Articulation Cylinder	Customer complaint: Articulation cylinder leaking on right side Cause of failure: The steel tube that goes to the articulation Cylinder is cracked at the fitting Resultant damage: Needs new tube and resealed Repair process comments: I looked at machine and the cylinder was leaking. I used a mirror so i could see the line and it Was leaking out on the line side at the fitting. It looks like the line needs replaced. Articualtion cylinder is leaking
Mar 18, 2015	Service	3,762	Repair For Warranty Articulation Cylinder	Customer complaint: Articulation cylinder leaking on right side Cause of failure: The steel tube that goes to the articulation Cylinder is cracked at the fitting Resultant damage: Needs new tube and resealed Repair process comments: After finding leak i removed the tube from the Cylinder and found that the fitting that screwed Onto the can was cracked at the fitting. i put New seals on the fitting for the can and then Installed the new tube with new seals. i Tightened the tube in place and hooked up the Hose. i started the machine and checked for Leaks. everything looked good. we topped off The oil level. they were going to wash the oil Mess away. they had some codes in the machine so I hooked the computer to it and they were for Motion in the articulation because of the line Leaking. i cleared the codes out.
Mar 18, 2015	Service	3,762	Travel To & From Machine	
Mar 18, 2015	Service	3,762	Travel To & From Machine	
Mar 18, 2015	Service	3,762	Troubleshoot Articulation Cylinder	Customer complaint: Articulation cylinder leaking on right side Cause of failure: The steel tube that goes to the articulation Cylinder is cracked at the fitting Resultant damage: Needs new tube and resealed Repair process comments: I looked at machine and the cylinder was leaking. I used a mirror so i could see the line and it Was leaking out on the line side at the fitting. It looks like the line needs replaced. Articualtion cylinder is leaking

Mar 18, 2015	Service	3,762	Repair For Warranty Articulation Cylinder	Customer complaint: Articulation cylinder leaking on right side Cause of failure: The steel tube that goes to the articulation Cylinder is cracked at the fitting Resultant damage: Needs new tube and resealed Repair process comments: After finding leak i removed the tube from the Cylinder and found that the fitting that screwed Onto the can was cracked at the fitting. i put New seals on the fitting for the can and then Installed the new tube with new seals. i Tightened the tube in place and hooked up the Hose. i started the machine and checked for Leaks. everything looked good. we topped off The oil level. they were going to wash the oil Mess away. they had some codes in the machine so I hooked the computer to it and they were for Motion in the articulation because of the line Leaking. i cleared the codes out.
Mar 05, 2015	Parts			
Feb 25, 2015	Parts			

FLUID ANALYSIS (83 Records)


Jun 08, 2022	 No Action Required	10,490	Engine	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 30, 2021	 No Action Required	10,050	Engine	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 15, 2021	 No Action Required	10,015	Circle Drive Box	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS. NEED HOURS / MILES OF USAGE FOR GOOD DATA EVALUATION.
Jun 15, 2021	 Action Required	10,015	Engine	LOW VISCOSITY AND THE FUEL TEST INDICATE A HIGH LEVEL OF 6.5 % FUEL DILUTION. INTERVENTION IS NEEDED. AT YOUR EARLIEST CONVENIENCE , INSPECT ENGINE. POSSIBLE CAUSES OF FUEL DILUTION ARE : LEAKING INJECTORS, INJECTOR O-RINGS, FAILED INJECTORS, FUEL TRANSFER PUMP, AND ENGINE OVERFUELING. CMA
Jun 15, 2021	 No Action Required	10,015	Wheel Bearings Front Right	NEED HOURS / MILES OF USAGE FOR GOOD DATA EVALUATION. NOTE LENGTH OF TIME SINCE LAST SAMPLE TAKEN. INTERMITTENT USAGE CAN CAUSE HIGH READINGS. RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS. SUGGEST RESAMPLE IN 6 MONTHS OR 500 HRS, WHICHEVER COMES FIRST, TO MONITOR TREND.

Jun 15, 2021	 No Action Required	10,015	Tandem Right	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS. NEED HOURS / MILES OF USAGE FOR GOOD DATA EVALUATION.
Jun 15, 2021	 Action Required	10,015	Wheel Bearings Front Left	IRON IS VERY HIGH. SILICON AND ALUMINUM IN THIS RATIO USUALLY INDICATE DIRT ENTRY. CHROME IS HIGH. HIGH SILICON IS CAUSING ABNORMAL WEAR. CHECK FOR DIRT ENTRY AND REPAIR AS NECESSARY. NEED HOURS / MILES OF USAGE FOR GOOD DATA EVALUATION. NOTE LENGTH OF TIME SINCE LAST SAMPLE TAKEN. INTERMITTENT USAGE CAN CAUSE HIGH READINGS. RESAMPLE IMMEDIATELY AFTER ANY REPAIRS AND FLUID CHG FOR A BASELINE, AND AGAIN IN 100 HRS.
Jun 15, 2021	 No Action Required	10,015	Transmission Diff	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 15, 2021	 No Action Required	10,015	Radiator	ALL ANALYSIS READINGS ARE WITHIN THE EXPECTED RANGE FOR THIS COOLANT SAMPLE. CONTINUE TO SAMPLE AT THE RECOMMENDED INTERVAL.
Jun 15, 2021	 No Action Required	10,015	Hydraulic System	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS. NEED HOURS / MILES OF USAGE FOR GOOD DATA EVALUATION.


Jun 15, 2021	 No Action Required	10,015	Tandem Left	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS. NEED HOURS / MILES OF USAGE FOR GOOD DATA EVALUATION.
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Feb 18, 2021	 No Action Required	9,787	Tandem Right	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
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Feb 18, 2021	 No Action Required	9,787	Tandem Left	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
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Feb 18, 2021	 No Action Required	9,787	Hydraulic System	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS. NEED HOURS / MILES OF USAGE FOR GOOD DATA EVALUATION.
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Feb 12, 2021	 No Action Required	9,787	Transmission Diff	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
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Feb 11, 2021	 No Action Required	9,787	Engine	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
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Nov 09, 2020	 No Action Required	9,506	Engine	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS. OIL IS THINNER THAN GRADE REPORTED IN USE.
Nov 09, 2020	 No Action Required	9,506	Tandem Left	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Nov 09, 2020	 Monitor	9,506	Hydraulic System	METALS ARE NORMAL, BUT PARTICLE COUNT DATA IS HIGH OVERALL. ALL OTHER DATA IS NORMAL. BE SURE CORRECT WARM-UP PROCEDURE IS FOLLOWED. CK TO SEE IF SAMPLE WAS TAKEN HOT. WAS THE FILTER CHECKED FOR VISIBLE METAL / DEBRIS AT THIS SERVICE? FILTER(S) CHANGED AT THIS TIME. RESAMPLE AT NORMAL INTERVAL. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Nov 09, 2020	 No Action Required	9,506	Transmission Diff	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Nov 09, 2020	 No Action Required	9,506	Tandem Right	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Nov 09, 2020	 No Action Required	9,506	Radiator	GLYCOL LEVEL IMPROVED. ALL ANALYSIS READINGS ARE WITHIN THE EXPECTED RANGE FOR THIS COOLANT SAMPLE. CONTINUE TO SAMPLE AT THE RECOMMENDED INTERVAL.

Nov 09, 2020	 Monitor	9,506	Circle Drive Box	COPPER IS SLIGHTLY HIGH. ALUMINUM IS HIGH. SAMPLE IS DARKER THAN NORMAL. OIL WAS TOO DARKENED TO RUN PARTICLE COUNT TEST. CHECK RECORDS TO VERIFY OIL USAGE PERIOD. SOME OF THIS MAY BE DUE TO OVERUSING THE OIL. CHG OIL IF NOT ALREADY DONE. RESAMPLE IN 250 HRS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Aug 19, 2020	 No Action Required	9,250	Tandem Right	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Aug 19, 2020	 No Action Required	9,250	Tandem Left	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Aug 19, 2020	 Monitor	9,250	Radiator	% GLYCOL IS HIGH. RECOMMEND TO DRAIN 20% OF THE COOLANT AND TOP OFF WITH QUALITY WATER. RESAMPLE AT HALF THE REGULAR INTERVAL TO MONITOR THE COOLING SYSTEM.
Aug 19, 2020	 No Action Required	9,250	Transmission Diff	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Aug 19, 2020	 No Action Required	9,250	Engine	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.







Aug 19, 2020	 Monitor	9,250	Hydraulic System	METALS ARE NORMAL, BUT PARTICLE COUNT DATA IS HIGH OVERALL. ALL OTHER DATA IS NORMAL. CK SAMPLING PROCEDURE. BE SURE CORRECT WARM-UP PROCEDURE IS FOLLOWED. CHANGE FILTER(S) IF NOT ALREADY DONE. WAS THE FILTER CHECKED FOR VISIBLE METAL / DEBRIS AT THIS SERVICE? CHECK / MONITOR FOR ABNORMAL NOISE/PERFORMANCE. RESAMPLE IN 100 HRS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
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May 27, 2020	 Monitor	9,000	Transmission Diff	IRON IS SLIGHTLY HIGH. PARTICLE COUNT DATA IS HIGH OVERALL. BE SURE CORRECT WARM-UP PROCEDURE IS FOLLOWED. CK SAMPLING PROCEDURE. WAS THE FILTER CHECKED FOR VISIBLE METAL / DEBRIS AT THIS SERVICE? SUGGEST CHANGE OIL AND FILTER(S) IF NOT ALREADY DONE. RESAMPLE IN 250 HRS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
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May 27, 2020	 No Action Required	9,000	Engine	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
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May 27, 2020	 No Action Required	9,000	Hydraulic System	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
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May 27, 2020	 Monitor	9,000	Radiator	GLYCOL CONCENTRATION IS TOO STRONG, THIS CAN RESULT IN POOR HEAT TRANSFER. DRAIN 1/4 OF COOLANT. ADD QUALITY WATER. SAMPLE AGAIN AT THE REGULAR INTERVAL TO MONITOR THE COOLING SYSTEM.
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May 27, 2020	 No Action Required	9,000	Tandem Left	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
May 27, 2020	 No Action Required	9,000	Tandem Right	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Feb 03, 2020	 Monitor	8,750	Transmission Diff	IRON IS SLIGHTLY HIGH. PARTICLE COUNT DATA IS HIGH OVERALL. BE SURE CORRECT WARM-UP PROCEDURE IS FOLLOWED. CK SAMPLING PROCEDURE. WAS THE FILTER CHECKED FOR VISIBLE METAL / DEBRIS AT THIS SERVICE? SUGGEST CHANGE OIL AND FILTER(S) IF NOT ALREADY DONE. RESAMPLE IN 250 HRS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jan 31, 2020	 No Action Required	8,750	Hydraulic System	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jan 31, 2020	 No Action Required	8,750	Tandem Left	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jan 31, 2020	 Monitor	8,750	Radiator	GLYCOL CONCENTRATION IS TOO STRONG, THIS CAN RESULT IN POOR HEAT TRANSFER. DRAIN 1/4 OF COOLANT. ADD QUALITY WATER. SAMPLE AGAIN AT THE REGULAR INTERVAL TO MONITOR THE COOLING SYSTEM.







Jan 31, 2020	 No Action Required	8,750	Engine	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jan 29, 2020	 No Action Required	8,750	Tandem Right	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 18, 2019	 No Action Required	8,500	Hydraulic System	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 18, 2019	 No Action Required	8,500	Engine	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 18, 2019	 No Action Required	8,500	Tandem Left	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 18, 2019	 Monitor	8,500	Transmission Diff	METALS ARE NORMAL, BUT PARTICLE COUNT DATA IS HIGH OVERALL. ALL OTHER DATA IS NORMAL. CK SAMPLING PROCEDURE. BE SURE CORRECT WARM-UP PROCEDURE IS FOLLOWED. OIL WAS CHG'D AT THIS TIME. WAS THE FILTER CHECKED FOR VISIBLE METAL / DEBRIS AT THIS SERVICE? RESAMPLE IN 100 HRS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.







Sep 18, 2019	 No Action Required	8,500	Tandem Right	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 17, 2019	 Monitor	8,500	Radiator	GLYCOL CONCENTRATION IS TOO STRONG, THIS CAN RESULT IN POOR HEAT TRANSFER. DRAIN 1/4 OF COOLANT. ADD QUALITY WATER. SAMPLE AGAIN AT THE REGULAR INTERVAL TO MONITOR THE COOLING SYSTEM.
Jul 03, 2019	 No Action Required	8,250	Hydraulic System	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jul 03, 2019	 No Action Required	8,250	Engine	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jul 03, 2019	 No Action Required	8,250	Tandem Left	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jul 03, 2019	 Monitor	8,250	Radiator	GLYCOL CONCENTRATION IS TOO STRONG, THIS CAN RESULT IN POOR HEAT TRANSFER. DRAIN 1/4 OF COOLANT. ADD QUALITY WATER. SAMPLE AGAIN AT THE REGULAR INTERVAL TO MONITOR THE COOLING SYSTEM.

Jul 03, 2019	 Monitor	8,250	Transmission Diff	SILICON IS SLIGHTLY HIGH. COULD BE A SILICONE SEALANT/GASKET MATERIAL. HAS THIS COMPARTMENT BEEN RECENTLY REPAIRED? IF SO, THIS MAY BE THE CAUSE. ALL OTHER DATA IS NORMAL. BE SURE CORRECT WARM-UP PROCEDURE IS FOLLOWED. CK SAMPLING PROCEDURE. LABEL DIDN'T SAY WHETHER OR NOT THE OIL WAS CHANGED. RESAMPLE IN 250 HRS, TO MONITOR TREND. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jul 03, 2019	 No Action Required	8,250	Tandem Right	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Apr 15, 2019	 No Action Required	8,000	Engine	ACCEPTABLE DATA FOR THIS USAGE PERIOD. RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Apr 15, 2019	 No Action Required	8,000	Radiator	ALL ANALYSIS READINGS ARE WITHIN THE EXPECTED RANGE FOR THIS COOLANT SAMPLE. CONTINUE TO SAMPLE AT THE RECOMMENDED INTERVAL.
Apr 15, 2019	 No Action Required	8,000	Transmission Diff	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Apr 15, 2019	 No Action Required	8,000	Hydraulic System	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Apr 15, 2019	 No Action Required	8,000	Tandem Left	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Apr 15, 2019	 No Action Required	8,000	Tandem Right	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jan 10, 2019	 No Action Required	7,750	Hydraulic System	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jan 10, 2019	 No Action Required	7,750	Transmission Diff	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jan 10, 2019	 No Action Required	7,750	Tandem Right	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jan 10, 2019	 Monitor	7,750	Tandem Left	SAMPLE SHOWS A TRACE OF WATER. ALL OTHER DATA IS NORMAL. CK SAMPLING PROCEDURE. BE SURE CORRECT WARM-UP PROCEDURE IS FOLLOWED. LOCATE & CORRECT SOURCE OF WATER ENTRY. CK FOR A CRACKED / DAMAGED BREATHER. RESAMPLE IN 100 HRS TO VERIFY WATER READINGS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Jan 10, 2019	 No Action Required	7,750	Engine	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Oct 09, 2018	 Action Required	7,550	Tandem Right	SAMPLE IS CONTAMINATED WITH WATER. UNABLE TO RUN VISCOSITY OR IR DUE TO WATER CONTAMINATION. CHECK FOR CRACKED OR DAMAGED BREATHER. CHG OIL IF NOT ALREADY DONE. RESAMPLE IMMEDIATELY AFTER ANY REPAIRS AND FLUID CHG FOR A BASELINE, AND AGAIN IN 100 HRS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS. EJROSS
Sep 19, 2018	 No Action Required	7,500	Engine	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS. VISCOSITY IS IN THE 30W RANGE.
Sep 19, 2018	 No Action Required	7,500	Transmission Diff	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 19, 2018	 No Action Required	7,500	Tandem Left	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 19, 2018	 No Action Required	7,500	Hydraulic System	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Sep 19, 2018	 No Action Required	7,500	Radiator	ALL ANALYSIS READINGS ARE WITHIN THE EXPECTED RANGE FOR THIS COOLANT SAMPLE. CONTINUE TO SAMPLE AT THE RECOMMENDED INTERVAL.
Sep 19, 2018	 Action Required	7,500	Tandem Right	SAMPLE IS CONTAMINATED WITH WATER. UNABLE TO RUN PARTICLE COUNT , IR OR TEST VISCOSITY DUE TO WATER CONTENT. LOCATE & CORRECT SOURCE OF WATER ENTRY. CK FOR A CRACKED / DAMAGED BREATHER. RESAMPLE IMMEDIATELY AFTER FLUID CHG OR ANY REPAIRS FOR A BASELINE, AND AGAIN IN 100 HRS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 19, 2018	 No Action Required	7,250	Hydraulic System	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 19, 2018	 No Action Required	7,250	Engine	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 19, 2018	 No Action Required	7,250	Transmission Diff	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Apr 18, 2018	 No Action Required	7,000	Hydraulic System	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Apr 18, 2018	 Monitor	7,000	Transmission Diff	IRON IS SLIGHTLY HIGH. PARTICLE COUNT DATA IS HIGH OVERALL. BE SURE CORRECT WARM-UP PROCEDURE IS FOLLOWED. CK SAMPLING PROCEDURE. ALL OTHER DATA IS NORMAL. OIL WAS CHG'D AT THIS TIME. RESAMPLE IN 250 HRS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Apr 18, 2018	 No Action Required	7,000	Tandem Left	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Apr 18, 2018	 No Action Required	7,000	Engine	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Apr 18, 2018	 No Action Required	7,000	Tandem Right	RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Apr 18, 2018	 No Action Required	7,000	Radiator	ALL ANALYSIS READINGS ARE WITHIN THE EXPECTED RANGE FOR THIS COOLANT SAMPLE. CONTINUE TO SAMPLE AT THE RECOMMENDED INTERVAL.
Nov 13, 2017	 Monitor	6,750	Transmission Diff	IRON IS INCREASING. ALL OTHER DATA IS NORMAL. BE SURE CORRECT WARM-UP PROCEDURE IS FOLLOWED. CK SAMPLING PROCEDURE. CHANGE FILTER(S) IF NOT ALREADY DONE. RESAMPLE IN 250 HRS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Nov 13, 2017



No Action Required

6,750

Hydraulic System

RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Nov 13, 2017



No Action Required

6,750

Engine

RESULTS OF THE LATEST SAMPLE INDICATE NORMAL WEAR AND TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

PSP (24 Records)

Start Date	End Date	PSP No.	Description	Status
Nov 04, 2020	Dec 31, 2022	PS46648	Replacing the pl641e to pl641e v2 on cer	● Completed
Sep 14, 2015	Mar 31, 2017	PS44702	Replacing cellular product link devices	● Completed
Nov 20, 2012	Dec 31, 2013	PS43414	Installing a vent louver on certain 120m	● Completed
Sep 26, 2012	Mar 31, 2013	PS43708	Adding a seal on the fuel filter differe	● Completed
Oct 04, 2011	Sep 30, 2013	PS43359	Rerouting the rear main chassis electric	● Completed
Aug 02, 2011	Aug 31, 2013	PS43339	Installing a bleed orifice in the steeri	● Completed
Feb 03, 2011	Jan 31, 2013	PS43219	Installing a new guard group sensor (art	● Completed
Jan 27, 2011	Jan 31, 2012	PS43225	Replacing the 229-1537 park brake pressu	● Completed
Jun 14, 2016	Feb 28, 2018	PS53139	Replacing the fuel level sender on certa	● Expired
Jun 06, 2014	Aug 31, 2015	PS52273	Replacing the door glass on certain 12m,	● Expired
Mar 07, 2014	Oct 31, 2015	PS52541	Replacing the blade lift valve section o	● Expired
Oct 10, 2013	Mar 31, 2014	PS52189	Reworking the centershift lock on certai	● Expired
Feb 15, 2013	Jul 31, 2014	PS52261	Replacing the shuttle valve group on cer	● Expired
Aug 14, 2012	Aug 31, 2014	PS52272	Replacing the switch assembly on certain	● Expired
Jul 26, 2012	Mar 31, 2013	PS52000	Repairing and replacing the brake fricti	● Expired
Mar 21, 2012	Mar 31, 2014	PS52196	Replacing the door wiper motors on certa	● Expired
Jan 23, 2012	Oct 31, 2013	PS51912	Replacing turbochargers on certain 140m	● Expired
Sep 30, 2011	Sep 30, 2013	PS52104	Replacing the drive shaft on certain 140	● Expired
Sep 22, 2011	Jul 31, 2013	PS52052	Removing the outer shaft seal on certain	● Expired
Aug 25, 2011	Feb 28, 2013	PS51962	Replacing the 252-0745 solenoid valve co	● Expired
Aug 02, 2011	Jun 30, 2013	PS52044	Replacing the moldboard mounting bracket	● Expired
Jul 27, 2011	Jul 31, 2013	PS52056	Replacing the muffler mounting brackets	● Expired
May 03, 2011	May 31, 2013	PS52024	Replacing the steering cylinder sensor h	● Expired
Jul 28, 2010	Jul 31, 2012	PS51870	Troubleshooting excessive water in the t	● Expired