



Service Report

Report Header Information					
Work Order		Dealer Code	D340	Manufacturer	Caterpillar Inc.
Employee ID	0172	Service Date	5/3/2018	Model	3406E
Customer	NTSB - Island Lady	Customer Equipment Number		Customer PO	
Serial Number	9WR01392				
SMU	0	Equipment Location	Pasco County Sheriff Lot 19415 Central BLVD Land O' Lakes, Fl. 34637		
IN Date		Promise Date		OUT Date	
Instructions	Assist the USCG and NTSB with the inspection of two 3406E engines.				

Truck Information			
Truck Make		Truck Model	
VIN		Cab Type	
Vehicle Config		Delivery Date	

Segment Info			
Segment No: 01			
Segment Description:			
Job Code		Description	
Component Code		Description	
Start Date	5/3/2018	End Date	5/3/2018
Instructions			

SIMS / Part Causing Failure										
Segment No	Part Number	Part Name	Qty	SMCS	Primary	Secondary	Group Number Containing Part	Group Name	Product Inoperable?	CAT Item

Labor									
Segment No	Operation No	Employee ID	Date	Overtime Indicator	Labor Codes	Start Time	End Time	Shift	Man Hours

Miscellaneous Costs							
Segment No	Operation No	Employee ID	Date	Charge Codes	Qty	Description	Cost

Mileage						
Segment No	Operation No	Employee ID	Vehicle	Date	Charge Codes	Distance

Repair Background

Segment No: 01	
Customer Complaint	Requested inspection work.
Cause of Failure	Fire.
Resultant Damage	Severe.
Repair Process Comments	<p>4/30/18</p> <p>I drove to the above location and met up with the USCG and the NTSB representatives and other inspectors. We discussed the direction in which we would be going in and after the dumpster was drained of water and pictures taken we began. We started by removing the front camshaft gear, rocker shafts and clearing the loose aluminum off the top of the head, then chipped away the melted aluminum from around the fuel injectors and head bolts. We removed the injector hold down bolts and with some extra prying we were able to get the injectors out, tagged, and inspected. We then proceeded to removing the cylinder head bolts and with the help of the boom crane on the truck we were able to remove the head for inspection of the valves and tops of the pistons.</p> <p>At this time it was requested to be able to view the pistons from the bottom to check the skirts, the cylinder head was put down on wood pieces and then lifted the block up and set down on its side, from there it showed the piston skirts had melted some due to the heat, also a crack was discovered in between the 4th and 5th cylinder. We removed the spacer plate from the engine and could see that the crack started at the number 5 cylinder liner through the water passage and down the side of the block about 8 inches.</p> <p>Please note that about 98% of all aluminum, bronze, copper, and brass parts were missing due to extreme heat which includes the heat exchange body, after cooler housings, front gear cover, flywheel hosing, raw water pump housings, base and valve cover, oil pan and other smaller housings to name a few.</p> <p>At this time it was requested that the port engine be lifted so that it could be looked at from the bottom. It was raised and tilted and then lowered on to its side for inspection. After all this was complete all parts were then put back into the dumpster and all tools returned and put away.</p> <p>The damage on the port engine was similar to the starboard but not quite extensive.</p>

Customer Signature	Technician Signature
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Workorder Closing	
No Answer	Is the Job Completed?

No Answer	Are unused parts being restocked?
No Answer	Is a Reman core being returned?
	Is this a warranty job?
No Answer	Are warranty parts being returned?
No Answer	Are checked-out tools being returned?
No Answer	Has the information been entered to SIMS?

Additional Opportunities

No Answer	Is there Additional Service to be done?
No Answer	Did the customer request a quote for additional service?
No Answer	Did the customer request a PSSR to contact them?
Comment	

Parts

Segment No	Order ID	Work Order	Operation	Additional Notes
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Application Data

Application	Report	Created
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