

Hydraulic Excavator (HEX) TA1

TA1

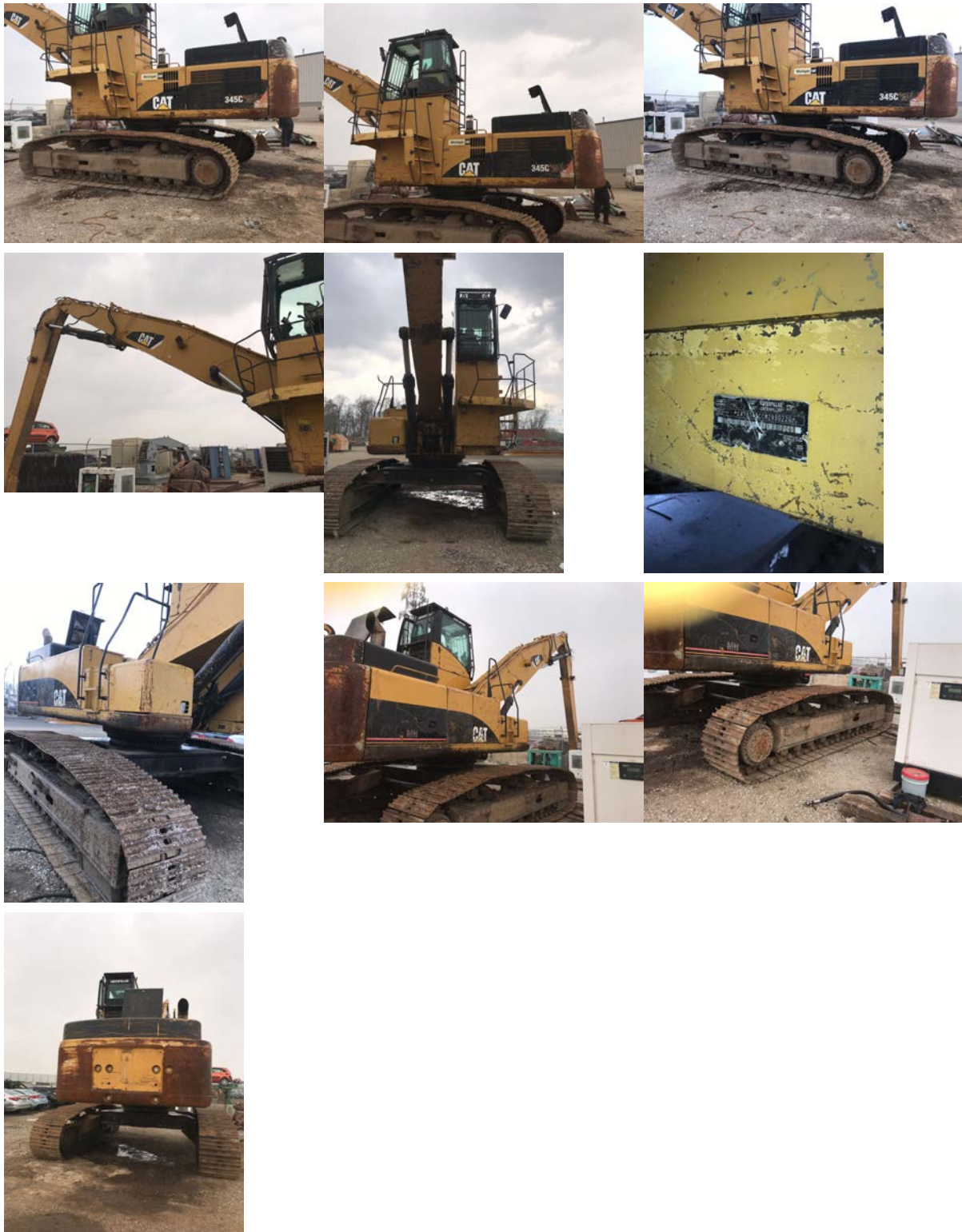
● 4 ● 3 ● 54 ● 12

Inspection Number	5751141	Serial Number	M2R00220
Make	CATERPILLAR	Model	345C MH
Customer Name	[REDACTED]	Equipment Family	EXCAVATORS
Customer Phone	[REDACTED]	SMU	22548 Hours
Completed On	4/11/2021 9:24:40 PM	Location	2155 Alum Creek Dr, Columbus, OH
Inspector	Thomas Wing	Coordinates	232.586941834206, 39.9235752101593, - 82.9374019132908
Work Order	CB22029		
PDF Generated On	4/12/2021		
Technician			

General Info & Comments

● **General info/Comments** N/A

Comments: Machine has wear of used machine with 2200 hours

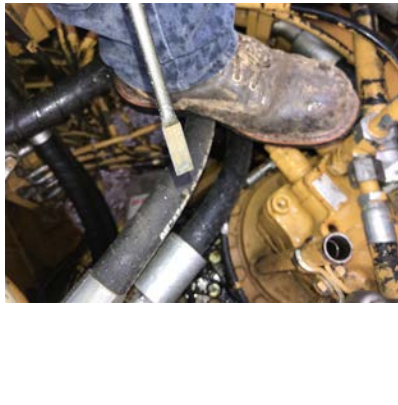
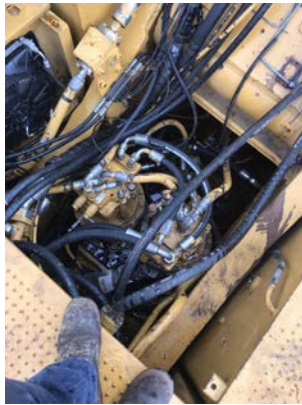
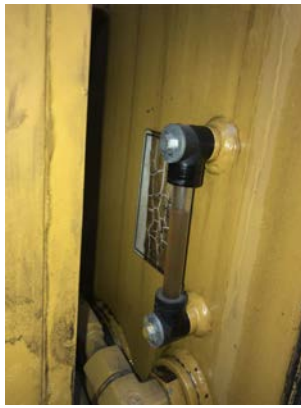


Prepare Machine for Inspection

- **1.1 Check with customer for operator complaints**

NORMAL

Comments: Seller did replace hydraulic line and topped of hydraulic oil, but monitor states hydraulic oil low



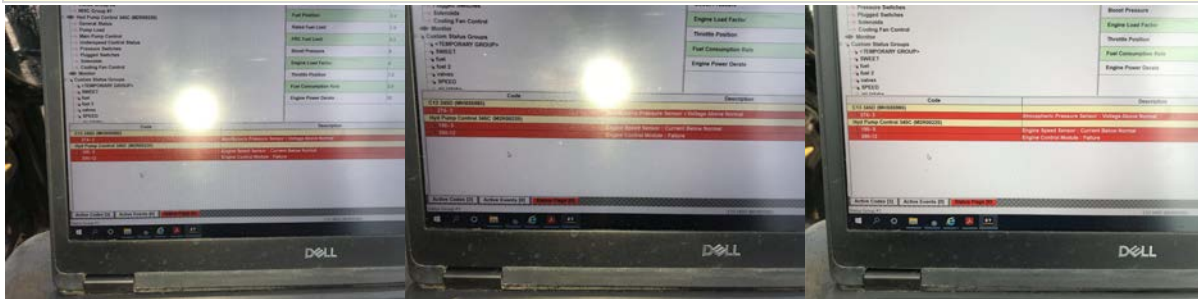
● 1.2 Perform machine inspection preparation

NORMAL

● 1.3 Download machine fault codes

N/A

Comments: 3 active diagnostic codes present when started



- **1.4 Is the machine software including Product Link & VIMS Config files current with what is published in SIS?** NO

Comments: Engine and machine software out off date and product link disconnected
Product link system out off date
Engine firmware installed 271-8700
Newest firmware 4470873
Machine firmware installed 2705505
Newest firmware 3386964

- **1.5 Check Product Link** NO

Comments: Product link disconnected but parts are there and system is out of date

- **1.6 Observe engine exhaust colors** NORMAL

Comments: Black smoke at start up but does clear up within 30 seconds

- **1.7 Listen for unusual noises** NORMAL

- **1.8 Lockout / Tagout Machine** YES

Lower Level Inspection

- **2.1 Final drives and sprockets** MONITOR

Comments: Left side finale sprocket bolt heads worn possible by debris stuck in track rails



- **2.2 Travel Motor & Brake Valve** NORMAL

Comments: Machine drive motors are working but due to control stick for left track is bent and loose cause straight travel had to maintain

● **2.3 Track Adjuster**

NORMAL

Comments: Track adjuster working but tracks are tight due to seller having them right to keep debris out from track pads



● **2.4 Carrier Rollers**

NORMAL



● 2.5 Track Rollers

NORMAL

● 2.6 Front Idlers

NORMAL



● 2.7 Track Guides	<i>NORMAL</i>
● 2.8 Track Shoes	<i>NORMAL</i>
● 2.9 Track Links, Pins, & Bushings	<i>NORMAL</i>
● 2.10 Track Roller Frame & Carbody	<i>NORMAL</i>
● 2.11 Engine Oil Pan	<i>NORMAL</i>
Comments: Missing belly pan that is under engine	

Middle Level Inspection

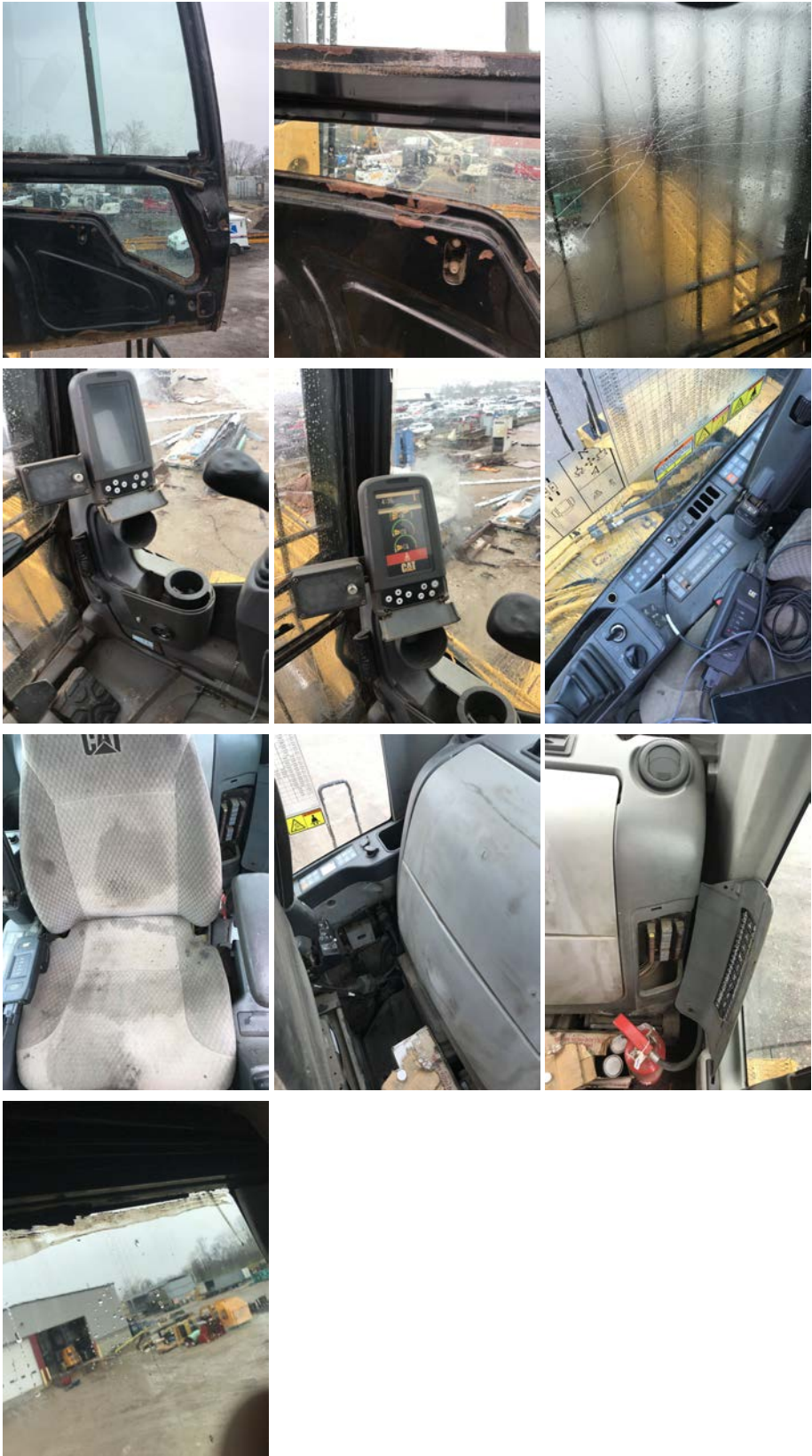
● 3.1 Cab Exterior	<i>NORMAL</i>
Comments: Normal signs of wear	



● **3.2 Cab Interior**

MONITOR

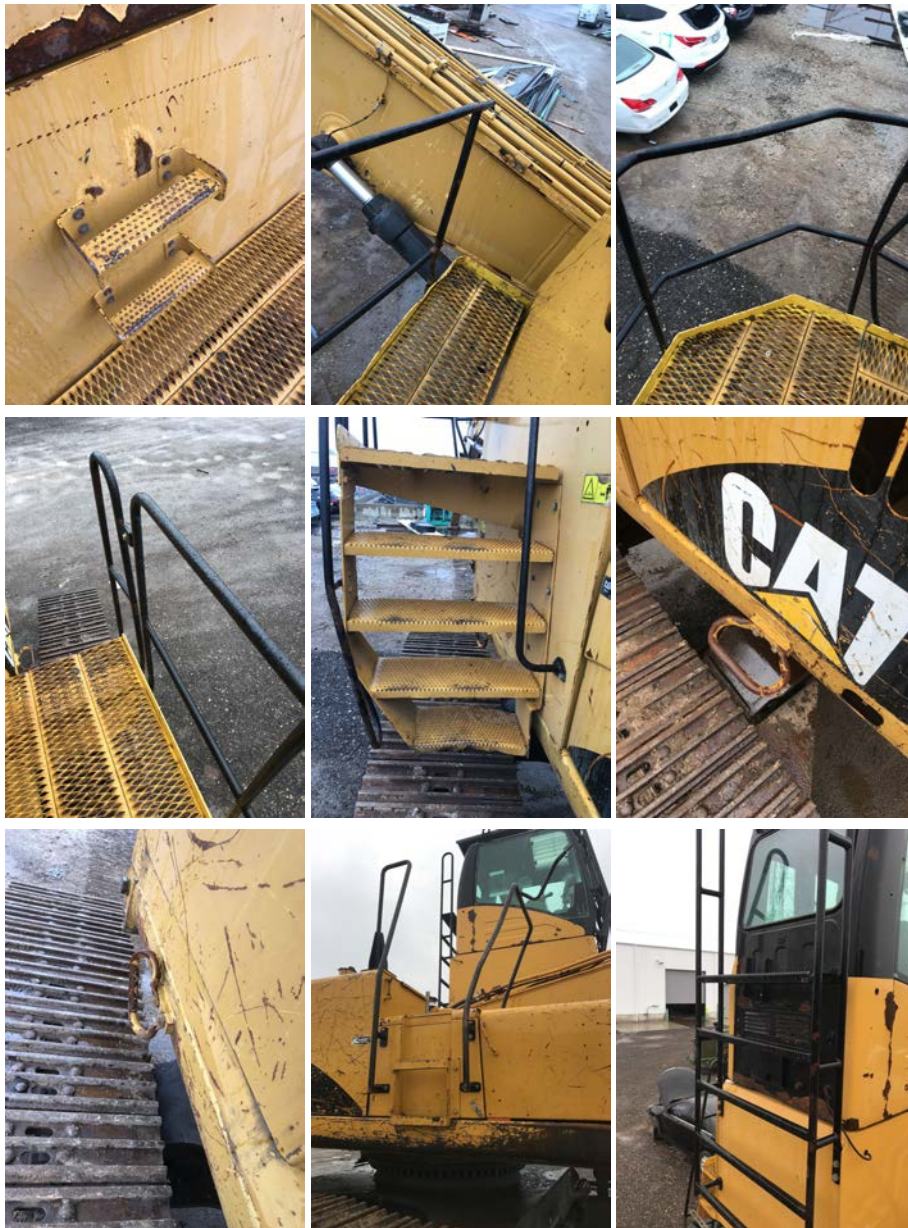
Comments: Radio power button broken
Front window cracked
Control decals partially missing
Window off cab broken
Right side can window leaks through top right



● 3.3 Steps & Handrails

NORMAL

Comments: Little bent in some places but none are loose or missing



● **3.4 Work Lights**

ACTION

Comments: Only lights on can work no others
 2 on boom not working
 2 on stick not working
 1 on front of house not working



● 3.5 Air Cleaner and Air Filter Service Indicator

NORMAL

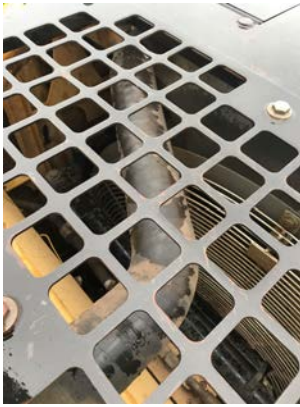
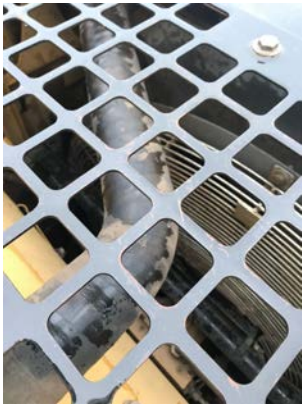
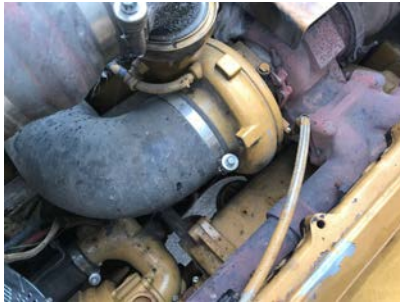
● 3.6 Battery & Cables

NORMAL



● 3.7 Radiator, Air Inlet, Oil Cooler & Aftercooler Lines

NORMAL



● 3.8 Lower Radiator & Oil Cooler Hoses

NORMAL



● 3.9 Counterweight

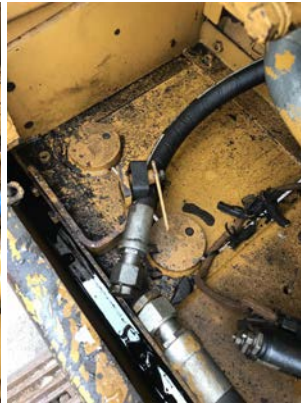
NORMAL



● 3.10 Hydraulic Pump Compartment

NORMAL

Comments: Loose clamp



● 3.11 Swing Drive Gear

N/A

Comments: Left drive serial 07405321
Right drive serial 07412160



Upper Level Inspection

- 4.1 Hood and Platform NORMAL
- 4.2 Exhaust Manifold NORMAL
- 4.3 Turbocharger NORMAL



- 4.4 Cylinder Head(s) & Valve Cover(s) NORMAL



- 4.5 Fuel Lines, Fuel Pump and Fuel Filter Base NORMAL



● 4.6 Engine Mounts NORMAL

● 4.7 Pulleys, Belts, Compressor Clutch and Alternator MONITOR

Comments: A/c doesn't work



● 4.8 Cooling Fan, Fan Guard and Shroud NORMAL



● 4.9 Upper and Lower Radiator Lines, Air Inlet Lines and Aftercooler Lines NORMAL

● 4.10 Radiator/Oil Cooler Screen NORMAL

● 4.11 Water Pump(s) NORMAL

● 4.12 Radiator Cap NORMAL

● 4.13 Fuel Priming Pump NORMAL

● 4.14 Secondary Fuel Filter NORMAL

● 4.15 Fuel Injection Pump NORMAL

● 4.16 Engine wiring harness ACTION

Comments: Fault for machine ecm not able to read engine ecm
Fault for atmospheric sensor

● 4.17 Swing Drive Compartment NORMAL

● 4.18 Swing Drive NORMAL

● 4.19 Main Hydraulic Control Valve NORMAL



● 4.20 Hydraulic Tank NORMAL

● 4.21 Fuel Tank NORMAL

Implement/Attachment Inspection

● 5.1 Swivel NORMAL

● 5.2 Lower Boom Area NORMAL



● 5.3 Area around Boom Cylinders

NORMAL

● 5.4 Boom Cylinder

NORMAL



● 5.5 Area where Boom attaches to Stick

NORMAL



●	5.6 Stick Cylinder	NORMAL
●	5.7 Bucket Cylinder	N/A
●	5.8 Bucket linkage	N/A
●	5.9 Bucket wear plates	N/A
●	5.10 Bucket side cutters	N/A
●	5.11 Bucket edges, tips, and adapters	N/A

Site Conditions

●	6.1 Ambient Temperature in Engine Room	NORMAL
	6.1.1 (90° to 115°F or 0° to -20°F) - ACTION: Above 46°C or Below -29°C (Above 115° or Below -20°F)	67 Fahrenheit
●	6.2 Altitude	NORMAL
●	6.3 Haul Road Grade	NORMAL
	Comments: Scrap steel yard	
●	6.4 Haul Road Condition	N/A

●	6.5 Humidity	<i>NORMAL</i>
Comments: High		
●	6.6 Air Quality	<i>NORMAL</i>
●	6.7 Underfoot Condition	<i>N/A</i>
●	6.8 Machine Utilization	<i>N/A</i>
Comments: Seller states only used once or twice		
●	6.9 Working Material	<i>NORMAL</i>
Comments: Had no attachment or work tool		
●	6.10 Maintenance Practices	<i>N/A</i>
Comments: Did not have service date on last service Did take engine and hydraulic samples		