

## APPRAISAL FAMILY: BACKHOE LOADERS

Account Manager: Mark Snow

Inspection Date: 3/10/2021

Inspector: Ryan Earl

Report Date: 3/11/2021

Location: Lehi

Approved Date: 3/11/2021

Expiration Date: 5/10/2021

## MACHINE DETAILS

Manufacturer: AA

Model: 420F2

S/N: 0HWC01371

Year: 2016

Eng S/N: W7N09581

Trans S/N: PT405474

SMU/Hrs: 1329

Hours Date: 3/10/2021

Last Schedule:

Last CTS:

Last PM: 3/17/2020

Date Oil Sample Sent to Lab: 3/10/2021

Oil Sample: Trans, Eng

Recommendations:

## BACKHOE LOADERS CONFIGURATION

ECM Download:	Yes	ROPS:		Stick:	
Drive:		Product Link:		Air Conditioning:	No
Heater:	No	Controls, Joystick:	Yes	Aux. Hydraulics:	Yes
Bucket-Front/Size and Type:	94.7in 1.5 CYD GP BU	Bucket-Rear/Size:	12in GP BU	Coupler:	Yes
Integrated Tool Carrier:	No	Forks:	No	Ride Control:	Yes
Engine Tier Rating:	T4F	Tire Size Front:	12.5/80-18	Tire Size Rear:	19.5L-24
Anti-Theft:	Yes	Comments:	Loader lines comb AUX E-S		

## GENERAL APPEARANCE

	CODE	REMARKS
Radiator Grill	Good	
Shroud	Good	
Engine Enclosure	Good	
Hood / Stack	Good	
Fenders	Good	
Fuel Tank	Good	
Crankcase Guard	Good	
Battery Box	Good	
Main Frame Welds	Good	
Diff. Supports	Good	
Counterweight	Good	
Pre-Cleaner Bowl	Not Applicable	
Cab	Good	Right cab post plastic cover broke off.
Canopy	Good	
Steps / Ladder	Fair	Left lower step dented and right mount belt bent.
Grab Irons	Good	
Paint	Good	
Sheet Metal	Good	
S.O.S. Taken	Yes	Trans, Eng
Cleaning Required	Yes	General wash with grease detail on boom and stick, detail cab.
Horn	Yes	
Notes		



## SAFETY ITEMS

	CODE	REMARKS
Safety Decals In Place	Yes	
Safety Decals Legible	Yes	
Back-up Alarm	Good	
ROPS	Good	
Notes		



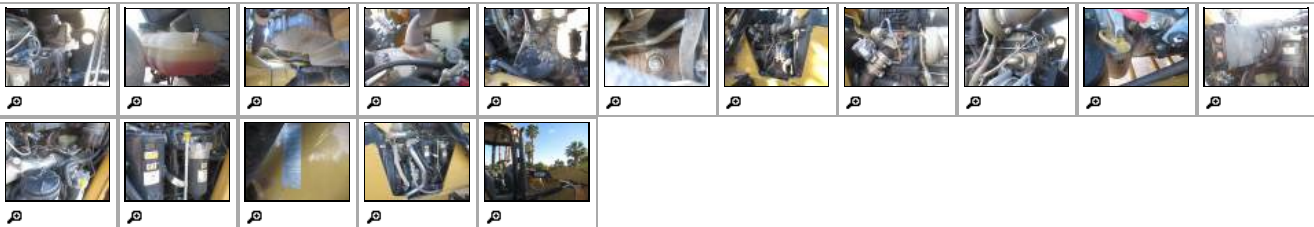
## GAUGES, OPERATOR STATION, CONSOLE

	CODE	REMARKS
Dash Console	Good	

Meter	Good	
Gauges	Fair	High beam light guage light out on dash.
Switches	Good	
Wipers	Not Applicable	
Air Conditioner	Not Applicable	
Heater	Not Applicable	
Radio / Speakers	Not Applicable	
Interior Lights	Not Applicable	
Seat Cushions / Arm Rests	Fair	Seat bottom cushion torn.
Floor Boards	Good	
EMS Panel / Warnings	Good	
Doors	Not Applicable	
Door Latches	Not Applicable	
Glass / Mirrors	Good	
Hyd Controls	Good	
Seat Belt	Fair	Seat belt expired.
Notes		
Parts Book	No	
Safety Manual	Yes	
O&MM	Yes	
ROPS Cert Plate	Yes	

**ENGINE**

	CODE	REMARKS
Oil Leaks	No	
Blow By	No	
Knocking	No	
Compression In Radiator	No	
Water In Oil	No	
Fluid Levels OK?	Yes	
EPA Decal	Yes	
Anti-Freeze Color	Red	
Oil Press (H/L/N)	75/64 Normal	
Smoke (B/D/L/W)	Normal	
Operating Condition	Good	
Turbocharger / Blower	Good	Crankcase breather hose seep with no active leaking, no repairs needed.
Fuel Injection System	Good	
Governor	Good	
Engine Supports	Good	
Air Cleaners	Good	
Exhaust / Muffler	Fair	Dried aftertreatment DEF fluid on engine casing, needs further diagnosis.
Belts / Pullys	Good	
Oil Filter Condition(Cut)	NI	
Notes		

**COOLING SYSTEM**

	CODE	REMARKS
Radiator	Good	
Coolers	Good	
Hoses	Good	
Water Pump	Good	
Fan	Good	
Fan Drive	Good	
Notes		
Leaks	No	



## ELECTRICAL, STARTING AND CHARGING SYSTEM

	CODE	REMARKS
Batteries / Cables	Good	
Starter	Good	
Alternator	Good	
Wiring	Good	
Pre-Heater	Not Applicable	
Lighting	Good	
Notes		
Ether Aid	No	
Rotating Beacon	No	
Signal Lights	Good	
Warning Lights	Good	
Block Heater	No	



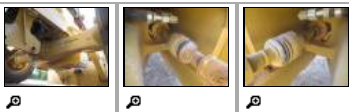
## TRANSMISSION

	CODE	REMARKS
Trans. Type	4WD STD SHIFT	
Case	Good	
Controls	Good	
Seals	Good	
Torque Converter	Good	
Universal Joints	Good	
Temp / Pressure Gauges	Good	
Lines / Fittings	Good	
Transmission Forward Shifts	Good	
Transmission Reverse Shifts	Good	
Pump	Good	
Cooler	Good	
Oil Filter Condition(Cut)	NI	
Operating Condition	Good	
Transmission Noisy	No	
Leaks	No	
Notes		



## STEERING

	CODE	REMARKS
Front Axle	Good	
Steering Linkage	Good	
Tie Rods & Ends	Good	
Pumps & Valves	Good	
Steering Cylinder	Good	
Lines / Fittings	Good	
Hand Meter Unit	Good	
Notes		



## BRAKES

	CODE	REMARKS
Drums / Rotors	Disc	
Brake Linkage	Good	
Pedal	Good	
Master Cylinder	Good	
Leaks	No	
Parking Brake	Good	

Holds In What Gear	2nd	
Notes		
		
<b>FINAL DRIVES</b>		
	<b>CODE</b>	<b>REMARKS</b>
Wheel Lugs & Rims	Good	
Rear Final Drives	Good	
Rear Axle	Good	
Trunnion	Good	
Front Final Drives	Good	
Front Axle	Good	
Differentials	Good	
Notes		
		
		
		
		
<b>HYDRAULICS</b>		
	<b>CODE</b>	<b>REMARKS</b>
Operating Condition	Good	
Lift Cylinders	Good	
Tilt Cylinders	Good	
Boom Cylinder	Good	
Out Rigger Cylinders	Good	
Swing Cylinders	Good	
Stick Cylinder	Good	
Bucket Cylinder	Good	
Extended Stick Cylinder	Good	
Hoses / Lines	Good	
Pumps & Valves	Fair	Leaking from loader control valve.
Control Linkage	Good	
Bucket & Hoist Kickout	Good	
Accumulator Charge - Ride Control	Good	
Filter Condition(Cut)	NI	
Leaks	Yes	
Notes		
		
		
		
		
		
<b>ATTACHMENTS / WORK TOOLS</b>		
	<b>CODE</b>	<b>REMARKS</b>
CustomSelection		
Fork	No	
Hyd Hammer	No	
Thumb	No	
Compaction Wheel	No	
Auger	No	
Vibratory Plate	No	
Other	No	
Other	No	
Notes		
Operating Conidition	Not Applicable	
Test Attachment Question	Not Applicable	
<b>BOOM, STICK &amp; STABILIZERS</b>		
	<b>CODE</b>	<b>REMARKS</b>
Turret	Good	
Boom	Good	
Boom Pins & Bushings	Good	Little movement from boom pins and bushings but nothing out of the ordinary, no repairs needed.

Boom Guard	Good	
Stick	Good	
Stick Pins & Bushings	Good	
E-Stick Pads	Good	
Swing Pivot	Good	
Stabilizers	Good	
Stabilizer Pins & Bushings	Good	
Stabilizer Pads & Plates	Fair	Right stabilizer pad tearing apart in corner.
Stabilizer Guards	Good	

## Notes



## FRONT BUCKET

	CODE	REMARKS
Cutting Edges	Good	
Teeth / Adapters	Not Applicable	
Bucket Bottom	Good	
Bucket Sides	Good	
Bucket Linkage	Good	
Loader Pins & Bushings	Good	
Loader Frame	Good	
Segments	Good	
Bucket Floor	Good	
Quick Attach	No	
Multi Purpose Cylinders	Not Applicable	
Bucket Capacity	1.5CYD	
Bucket S/N	160301664	
Notes	Bucket in good condition.	







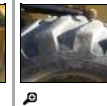






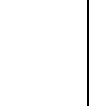
## REAR BUCKET

	CODE	REMARKS
Cutting Edges	Not Applicable	
Teeth / Adapters	Good	
Bucket Bottom	Good	
Bucket Sides	Good	
Bucket Linkage	Good	
Bucket Mounts	Good	
Coupler	Good	1/4YD CPLR- EG160305782
Bucket Width	12in GP BU	
Bucket S/N	7LW04382	
Notes		



## TIRES

	MAKE S/N	TREAD DEPTH 1/32"	% LIFE LEFT	RECAPPED	TREAD CUT/CHUNKS	SIDE CUTS SECTIONS
Right Front	Firestone Super Traction Lug	16.00	50.00	No		No
Right Rear	Firestone All Traction Utility	28.00	82.00	No		No
Left Rear	Firestone All Traction Utility	28.00	82.00	No		No
Left Front	Firestone Super Traction Lug	17.00	53.00	No		No
Front Tire Size	12.5/80-18					
Rear Tire Size	19.5L-24					
Average Life Left	67					
Notes	Tires are in good condition.					

Tires Needed																					
																					
<b>SERVICE</b>																					
<b>CODE</b>											<b>REMARKS</b>										
Service Needed																					
<b>GENERAL REPAIRS AND REMARKS</b>																					
Repairs Needed: Loader HYD control valve leak, DEF leak from around aftertreatment cooler, left lower step bent and front rubber belt bet, right stabilizer pad corner tearing apart, right side plastic post cover cracked off, seat bottom torn, seat belt expired, high beam dash light burnt out.																					
General comments:																					

