

X05-5

SERVICE COMMITTED

Canada West Harvest Centre

2727 North Service Road West
Swift Current, SK S9H 5M1 CA

Document: 03-148878 PO:
Date: 9/23/2024 Custld:

Cust Email:
Phone:
Salesperson:
User:

Phone:
Email:

Bill To:

Ship To:

IMPORTANT NOTE!!!!!! (With new oil, filters and pumps. Recommended to remove filters after 50 hours of use and install new filters)

Opened: 9/23/2024
Work Order No: 03-148878
Pickup Date:
Unit No: 15072
Unit Serial: 9094129
Unit Desc: AS1210 Sprayer
Unit Meter: 3,516.0 Hours

Responsible Tech: CKurtzweg
My Ref: 9094129
Delivery Date:
Unit Make: Apache
Unit Model: AS1210
Unit Tag: A15072

Apache Hyd issues

Item	Type	Description	Qty	Tax	Price	Discount	Net Price
Weak Hyd							
<p>Brought unit in. Found steering to be good but when operating boom functions the Left and Right booms moved very slow. Connected 5000PSI gauge to junction valve checking pump pressure. Main pump found that it had 2200 psi should be 2400. Increased PSI to correct spec found no change. Spoke with tech that had worked on the unit. He had taken pictures of all the metal in the main hydraulic filter and chunks.</p> <p>Removed filter and cut open. Found metal in filters. Drained hydraulic tank and found metal slivers and chunks at the bottom of the tank. Removed gear pump and main pump. Had metal glitter pour out. When one pump fails must have both changed. Spoke with parts locking to find pumps. After several attempts to order factory pumps that are unavailable we were finally able to out source them and have them shipped but it would take some time before arriving. connected forklift to unit and pulled it outside. with winter coming unit needed to be winterized. Connected forklift hydraulic circuit to product pump. Circulated RV antifreeze and sprayed out. Disconnected forklift, cleaned up bay and tools.</p> <p>Pumps arrived, Connected forklift to unit and dragged into the shop. Removed batteries, removed fresh water tank and the exhaust muffler from the sprayer. Removed the hydraulic tank. Cleaned out and washed the hydraulic tank. Used wet vac to suck up remaining water and debris. Added some hydraulic oil to the hydraulic tank coating the inside. Let settle over the weekend and used shop vacuum to remove remaining oil. Removed hydraulic hoses pertaining to the hydraulic system affected. Cleaned out hoses with brake clean then blowing out hoses unit each one was clean. Removed junction block from the sprayer. Took apart and cleaned out. Put junction block back together. Reinstalled junction block onto the sprayer. Removed components from suspension valve and flushed out. Installed components back into suspension valve. Mounted new hydraulic piston pump onto the sprayer. Installed new hydraulic gear pump onto the piston pump. Reinstalled hydraulic hoses. Reinstalled hydraulic tank. Reinstalled muffler. Reinstalled fresh water tank. Reinstalled batteries. Installed new hydraulic oil filters. Reinstalled parts and hardware that was removed by the previous tech. Filled the hydraulic tank with new oil. Disconnected crankshaft sensor and cam shaft sensor to crank engine over without unit starting. Loosened off suction line and started the bleeding procedure. Clean oil arrived at pump. Tightened suction line. Installed 3000 psi gauge onto junction valve to read pump pressure. Cranked engine over until 500 psi read. Connected sensors and started engine only 2100 psi was reading and would the pump compensator to be adjusted. Ran unit until oil was at operating temp and set pump pressure to 2400 psi. Took unit outside and tested boom functions. All functions work as they should.</p>							
	SL	Shortline Customer Shop Labour					\$7,000.00
840000013	PA	APA - ELEMENT, (ONLY) RTN HYD F	1.0000	Y	\$170.62		\$170.62
ENV100	MC	ENVIRO FILTER OVER 8"	1.0000		\$1.00		\$1.00
MISC	MC	Misc Parts	1.0000	Y	\$65.24		\$65.24
Remark	RE	Transmission Filter					

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860000002	PA	APA - PUMP, GEAR 2005 & NEWER A	1.0000	Y	\$1,146.39	\$1,146.39
DLY FRT	MC	Daily Freight	1.0000	Y	\$25.00	\$25.00
K65000161	PA	APA - KIT, PISTON PUMP AS1000,	1.0000	Y	\$4,385.70	\$4,385.70
DLY FRT	MC	Daily Freight	1.0000	Y	\$76.46	\$76.46
MISC	MC	Misc Parts	1.0000	Y	\$5.00	\$5.00
Remark	RE	Fitting				
MISC	MC	Misc Parts	1.0000	Y	\$153.64	\$153.64
Remark	RE	Longer Hose				
1473910	PA	CLA - AGRISHIFT GA 12 20L	7.0000	Y	\$298.85	\$2,091.95
ENVIROCONTAINER	MC	ENVIRO CONT PER LITER	140.0000		\$0.10	\$14.00
ENVOIL	MC	OIL ENVIRO PER LITRE	140.0000		\$0.05	\$7.00
1473940	PA	CLA - AGRISHIFT GA 12 5L	2.0000	Y	\$45.23	\$90.46
ENVIROCONTAINER	MC	ENVIRO CONT PER LITER	10.0000		\$0.10	\$1.00
ENVOIL	MC	OIL ENVIRO PER LITRE	10.0000		\$0.05	\$0.50
	SS	Shop Supplies	1.0000	Y	\$630.00	\$630.00

Segment Total: \$15,863.96

Winterize

Winterize
 Winterize Apache Sprayer

Loaded 120L of RV antifreeze, no hyd on unit. Made hose and got fittings from nodge to connect to pump running hyd using forklift. Added to unit and cycled antifreeze. Sprayed out antifreeze, disconnected hyd lines from pump, cleaned up pails, returned forklift.

	SL	Shortline Customer Shop Labour				\$600.00
FSWA20	PA	GRG - Sprayer Antifreeze 18.9L	6.0000	Y	\$51.95	\$311.70
	SS	Shop Supplies	1.0000	Y	\$54.00	\$54.00

Segment Total: \$965.70

Labor:	\$7,600.00
Parts:	\$8,196.82
Misc Charges:	\$348.84
Shop Supplies:	\$684.00

Totals						
					Sub Total:	\$16,829.66
					Total Tax:	\$840.31
					Estimated/Current Invoice Total:	\$17,669.97

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Estimated/Current Balance Due On This Invoice: \$17,669.97

Thank you for your business.