



# PALLISER SALES

2008 Bullshead Road  
 Dunmore, Alberta T1B 0K9  
 Phone: (403) 526-3701 Fax: (403) 526-2451  
 1-888-526-3702  
 www.pallisersales.com  
 GST #893779397



Invoice #	DUN-107225	PO#	
Date	5/30/2022	Terms	AR-1
Time	17:05	Due Date	5/30/2022

RO#	DUN-16140		
RO Date	4/27/2021		
Miles	In	0.0	Out 0.0
Hours	In	3952.0	Out 3952.0
Service Writer	MILES FRITZLER		
Stock#	(214) 5155		
Serial#	C0875PGNLG1018		
Yr Make Model	2016 CHALLENGER CHMT875E		
Description	2016 CHALLENGER MT875E TRACTOR		
License			
Fleet#	UNIT 2		
In Service Date	12/31/1999		

WINDY LAKE HORTICULTURAL INC (3463)  
 BOX 1088  
 MAPLE CREEK SK S0N 1N0  
 Contact DO NOT EMAIL (306) 662-3462

### Service Invoice

Customer

Memo

### Customer Service Issue # 1

Com: transmission input shaft

Cause:

Fix:

removed wedges and hard bar clamp. jacked up unit. removed both track frames.  
 removed def tank, pulled cab mount bolts, removed def line, removed rh fuel tank. drained remainder of fuel.  
 removed rh fender, fuel tank brackets. removed fuel tank cleaned up mess.  
 removed LH track frame. completed disconnects.  
 Did a good wash of tractor with everything apart.  
 removed wiring harnesses to split and removed hydraulic lines.  
 removed hydraulic lines an, pumps.  
 split tractor between drive train and engine frame. spit transmission from rear end.  
 removed transmission, figured out how to flip trans upside down to disassemble. removed transmission cover.  
 disassembled transmission input shaft. built a stand from wood blocks to put trans shafts into for disassembly  
 sorted parts began assembling input shaft.  
 built mains haft.  
 finished changing clutches in all trans shafts, began prepping surfaces to go back together  
 replaced bearings and races on trans shafts.  
 put shafts in transmission housing, sealed housing and torqued all bolts.  
 set endplay on trans shafts.,  
 slid tractor back together, started connecting lines and electrical.  
 WARMED UP UNIT TO 50C, CHECKED HYD OIL AND TOPPED UP 20L. HYD ARE NOISEY. CHECKED CHARGE PRESSURE AND PPPRESSURE IS  
 200 SHOULD BE 310PPSI.  
 checked charge pressure, low at 200psi turned up to 300psi. installed shields and access doors under tractor.  
 attempted to hook up cat et. cannot connect to do trans cal. test drove unit, made sure trans goes through all gears. checked track  
 alignment.  
 washed mud from around swing link to adjust tracks. aligned tracks.

Note:

Mech	Type	Description	Total
4604	Labor	STANDARD STANDARD LABOUR	145.00
12602	Labor	ROAD ROAD	165.00
	Item	267-6637 SEAL HOUSING-170MM OD	1062.22
	Item	273-4082 YOKE	1718.30
	Item	1T-1068 O-RING-107.62MM ID	6.79

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Customer Name	Invoice#	RO#	Date
DOWNIE LAKE HUTTERIAN INC	107225	16140	05/30/2022
Item	CH3K-0715	O-RING-101.27MM ID X 2.6	4.0000
Item	3P-1156	O-RING-21.85MM OD	1.0000
Item	4F-4097	O-RING-94.92MM ID X 2.62	1.0000
Item	5H-8038	O-RING-15.24MM ID X 5.33	1.0000
Item	5J-3886	O-RING-139.37MM ID X 2.6	1.0000
Item	CH6S-3002	O-RING-113.97MM ID X 2.6	1.0000
Item	187-1376	SHIM-197MM OD X 2.4MM	4.0000
Item	188-9912	TUBE-656MM	1.0000
Item	6F-2956	BEARING CUP	8.0000
Item	9X-7719	SEAL-101.8MM OD X 9.5MM	1.0000
Item	134-8360	FRICITION DISC-215MM OD X	36.0000
Item	134-8361	CLUTCH PLATE-158MM ID X	36.0000
Item	173-5392	SPRING	2.0000
Item	177-5236	NEEDLE BEARING	10.0000
Item	177-5241	RETAINING RING	2.0000
Item	177-5246	SPACER RING	2.0000
Item	177-5248	SPACER	1.0000
Item	177-5256	SPACER	1.0000
Item	177-5257	GEAR	1.0000
Item	177-5258	SPACER	1.0000
Item	177-5260	GEAR	1.0000
Item	177-6797	SEALING RING-193.18MM OD	2.0000
Item	177-6801	SEALING RING	12.0000
Item	177-6804	END PLATE	2.0000
Item	191-0426	GEAR	1.0000
Item	191-0427	GEAR	1.0000
Item	199-9240	O-RING-120.37MM ID X 1.7	2.0000
Item	200-3039	SEALING RING	2.0000
Item	203-2631	PISTON	2.0000
Item	4D-7889	RING	2.0000
Item	6V-0347	BEARING CONE	8.0000
Item	7T-5594	O-RING	2.0000
Item	547754D1	U-JOINT	1.0000
Item	200-3039	SEALING RING	2.0000
Item	199-9240	O-RING-120.37MM ID X 1.7	2.0000
Item	191-0426	GEAR	1.0000
Item	177-5249	THRUST DISK	2.0000
Item	8T-2572	O-RING-101.32MM ID X 1.7	1.0000
Item	500447D1	CABLE	1.0000
Item	72313158	SEALING COMPOUND-LOCTITE	1.0000
Item	400588X1	SEAL-45MM OD X 4.95MM	4.0000
Item	506089D1	CONNECTOR	1.0000
Item	574610D1	ELBOW	1.0000
Item	556751D1	PRESSURE SENSOR	2.0000
Item	177-5243	BALANCE SEAL	2.0000
Item	177-5249	THRUST DISK	2.0000
Item	8T-2572	O-RING-101.32MM ID X 1.7	1.0000
Misc.	MSC	SHOP SUPPLIES	1.0000
Item	301-5694	SHAFT	1.0000
			<b>Subtotal</b>

Customer Service Issue # 2

Com: NA

Cause:

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Customer Name	Invoice#	RO#	Date
DOWNIE LAKE HUTTERIAN INC	107225	16140	05/30/2022

Fix:

Note:

Mech	Type	Description	Total
12602	Labor	ROAD	0.6000
	Misc.	SHOP SUPPLIES	1.0000
<b>Subtotal</b>			<b>\$105.93</b>

**Customer Service Issue # 3**

Com: Engine

Cause:

Fix: stole FNR lever from 975e in yard to put in 875 to get it in the shop. topped up coolant, boosted and drove unit into shop. removed hood, drained coolant removed engine fan, cooling pipes and air to air pipes.  
 removed wiring harness, dpf and mounts  
 removed fuel lines, shut off fuel. drained rest of coolant. set up rigging to lift engine out.  
 drained fuel into barrels.  
 unpacked new engine began swapping parts over  
 finished swapping starters, coolant pipes, brackets over to new engine.  
 installed def tank, new park brake cable, washed engine mounts, cleaned/ tied up hoses wires in engine bay.  
 installed engine and began connecting hoses and wiring.  
 installed dpf and exhaust pipes, installed intake pipes and ladder platform.  
 filled trans oil and engine oil, started putting cab back together  
 installed new FNR lever, assembled cab. finished cab wiring.  
 filled coolant, def. checked for codes, tried to start but has no charge put charger on overnight. cleaned up work area.  
 installed fender shields and remaining belly pans.  
 batteries still dead, replaced batteries.  
 started unit, topped up fluids. ran tractor and checked for leaks. topped up hyd. oil again. installed fender sheilds. replaced broken boot.  
 installed remainder of shields.  
 cleaned up work area, filled unit with fuel.  
 installing tracks  
 torqued all tracks  
 took tractor off stands, moved out of shop and ran engine. checked for leaks. cleaned up bay and put jacks and stands away. wont rev over 1200rpm. cleared codes. no active codes and still will not get over 1200rpm.  
 decel pedal stuck causing engine not to rev over 1200 rpm.  
 dyno unit. 585hp 3150ftlbs  
 installed hood, repaired decel pedal linkage

Note:

Mech	Type	Description	Total
4604	Labor	STANDARD	STANDARD LABOUR
	Item	865677819U	REMAN ENGINE-168 AWF W/O
	Core Chrg.	865677819U	REMAN ENGINE-168 AWF W/O (Core Charge)
	Item	501771D1	ELEMENT
	Misc.	ENVIRONMENTAL CHARGE	
	Item	534039D1	FILTER ELEMENT
	Misc.	ENVIRONMENTAL CHARGE	
	Item	8H-7521	O-RING-91.67MM ID X 3.35
	Item	CH175-7900	O-RING SEAL-98.02 X 3.53
	Item	508325D2	JOYSTICK
	Item	CH033-6031	O-RING SEAL-69.44 X 3.53
	Item	CH149-0231	O-RING SEAL-72.62 X 3.53
	Item	574608D1	CHARGE AIR ELBOW
	Item	ACZ0003010	CONSOLE-C1000
	Item	79022730	COOLANT-EG CN 1G
	Item	565825D1	AIR FITR.ELEMENT
	Item	1131PMF	BATTERY

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Customer Name	Invoice#	RO#	Date
DOWNIE LAKE HUTTERIAN INC	107225	16140	05/30/2022
Core Chrg. 1131PMF		BATTERY (Core Charge)	4.0000 27.00 0.00% \$108.00
Core Ret. 1131PMF-OUT		BATTERY (Core Return)	1.0000 27.00 0.00% (\$27.00)
Core Ret. 1131PMF-OUT		BATTERY (Core Return)	1.0000 27.00 0.00% (\$27.00)
Core Ret. 1131PMF-OUT		BATTERY (Core Return)	1.0000 27.00 0.00% (\$27.00)
Core Ret. 1131PMF-OUT		BATTERY (Core Return)	1.0000 27.00 0.00% (\$27.00)
Misc. MSC		SHOP SUPPLIES	1.0000 500.00 0.00% \$500.00
Core Ret. 865677819U-AGC		REMAN ENGINE-168 AWF W/O (Core Return)	1.0000 13047.93 0.00% (\$13,047.93)
			<b>Subtotal</b> \$77,497.46

**Customer Service Issue # 4**

Com: Repair Brakes

Cause:

Fix: Removed both rear trumpets, got down to brakes. ordered parts. linings are shot. prepped/cleaned brake parts for reassembly. installed new brake discs and seals. installed trumpets and torqued hardware to spec.

Note:

Mech	Type	Description	Total
11469	Labor	STANDARD STANDARD LABOUR	\$853.00
4604	Labor	STANDARD STANDARD LABOUR	\$2,351.47
14396	Labor	STANDARD STANDARD LABOUR	\$732.25
	Item	180-4502 FRICTION DISC	\$823.49
	Item	188-0635 BRAKE SEAL	\$86.52
	Item	213-3270 BRAKE SEAL-499.6MM	\$157.08
	Item	400365X1 O-RING-33.57MM OD X 1.78	\$19.59
	Item	4S-8598 SCREEN FILTER-86MM OD X	\$31.17
	Misc.	MSC SHOP SUPPLIES	\$275.57
	Misc.	CREDIT LABOR ADJUSTMENT	(\$15,370.00)
			<b>Subtotal</b> \$10,038.08