



ROCKY MOUNTAIN EQUIPMENT

Rocky Mountain Equipment LP o/a Rocky Mountain Equipment

OLDS
104 - 32580 RR 11
Mountain View County, AB, T4H 4N4
Tel: (403) 556-3939
Fax: (403) 556-2021
Toll Free: 1-855-763-1427

INVOICE

Ship to:

[Redacted]

Invoice to:

[Redacted]

Branch		
OLDS		
Date	Time	Page
10/01/25	17:21:27 (O)	01
[Redacted]		
Ship Via	Purchase Order	
G.S.T. No.		79759 4660 RT0001
Credit Card No.	Salesperson	
	Q03	

Description of Work and Parts

STK#/FLEET#		HRS	PIN/EIN	WARRANTY DATE	HRS	Fold - - -
155528	COMBINE	1420	YFG119505			
	CR8.90	960				

SEGMENT# 1 5 04938 N/A 09/16/25 09/16/25
TRAVEL TO AND FROM CUSTOMER LOCATION

CORRECTION:

T04938 - Sep 15: Travelled from the Olds branch to customer's location. 17kms.
Travelled from customer's location back to the Olds branch. 17kms.
Sep 16: Travelled from the Olds branch to customer's location. 17kms.
Travelled from customer's location back to the Olds branch. 17kms.

13000040

LABOR 272.25
SEGMENT TOTAL==> 272.25

POSTED

SEGMENT# 2 5 04938 N/A 09/16/25 09/16/25
DIAGNOSE AND REPAIR ROTOR SPEED WONT CHANGE

COMPLAINT:

Rotor speed won't slow down.

CAUSE:

Failed mechanical sheave.

CORRECTION:

T04938 - Sep 15: Arrived at customer's location and completed an initial quality control check.
Inspected the rotor sheaves and the belt. Found that the hydraulic sheave was leaking oil out. The variator belt was extremely loose.
Started the combine and tried to engage the thresher. Held the rotor speed up button and could get the belt to occasionally catch.

CONTINUED ON PAGE 02

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(signature)

(date)

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(signature)

(date)

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Managed the engage the rotors and got the rotor speed up to 1400rpm.
Shut the thresher down.
Inspected the hydraulic sheave and found that the rotary union was leaking.
Spoke to the customer and decided that the union had to be replaced.
Looked up the part and it showed we had none in stock.
Customer is going to source one themselves.
Removed the hydraulic hose from the union.
Removed the 3 bolts from the sheave and removed the washer.
Pulled the union out.
While waiting for the customer, the customer had requested we change the elevator drive belt. Had a new belt delivered.
Removed the tension from the old belt and removed the belt.
Installed the new belt.
Had to wait for the customer to return with the new union.
When the customer returned, installed the new union.
Reinstalled the washer and bolts to secure the union in.
Swapped the fitting over from the old union and installed it onto the new one.
Reinstalled the hydraulic hose.
Started the combine and engaged the thresher. Moved the rotor speed up and down.
The rotors would only get as low as about 780 rpm and the belt was extremely loose and flopping around. Shut the thresher down.
Inspected the mechanical sheave and found that the sheave was not closing all the way.

CONTINUED ON PAGE 03

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STK#/FLEET#	COMBINE	HRS	PIN/EIN	WARRANTY DATE	HRS	Fold - - -
155528	CR8.90	1420	YFG119505			
		960				

The customer requested we try and work it free. Applied plenty of grease to the sheave and used the push off bolts to open and close the sheave repeatedly to try and work it free.

The sheave would still not close. Decided to remove it. Removed the bridge bolts and removed the bridge from both sheaves.

Used the push off bolts to completely open the sheave and removed the hydraulic line from the hydraulic sheave to open it all the way.

Removed the elevator drive belt and tensioner.

Removed the variator belt from the mechanical sheave.

Removed the 6 bolts securing the bridge hub and removed the hub.

Removed the rotary screen vacuum tube.

Loosened the center bolt on the sheave and installed a puller. Used the puller to pop the sheave off the gearbox shaft.

Supported the weight of the sheave with a sling and the service truck crane and removed the sheave.

Placed the sheave in the back of the truck to take back to the shop to disassemble.

Cleaned up work area and put tools away.

Sep 16: At the shop, installed the sheave compression tool and compressed the spring to remove the snap ring.

Removed the snap ring and decompressed the spring until it was completely loose.

Disassembled the sheave.

Found that the ramps on the inside of the sheaves had broken and pieces were stuck in the bottom preventing the

CONTINUED ON PAGE 04

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155528

COMBINE

CR8.90

HRS PIN/EIN

1420 YFG119505

960

WARRANTY DATE

HRS

Fold - - - -

sheave from closing all the way.

Ordered the parts.

After the new parts arrived, removed the ramps from both halves of the sheave.

Installed new wear plate onto the one half with new bolts and lock washers.

Installed the new ramps into the sheaves and tightened the bolts.

Reassembled the sheave and used the spring compressor to compress the spring and reinstall the snap ring.

Loaded the sheave into the truck.

Arrived at the combine. Lifted the sheave onto the shaft of the gearbox with the crane.

Reinstalled the center bolt and tightened it.

Reinstalled the bridge hub onto the sheave and tightened the 6 hex socket bolts.

Reinstalled the push off bolts to completely open the sheave.

Reinstalled the variator belt.

Removed the push off bolts and reinstalled the hydraulic line on the hydraulic variator.

Reinstalled the elevator drive belt and tensioner. Applied tension to the belt.

Reinstalled the rotary screen vacuum tube.

Started the combine and engaged the thresher. Ran the rotors through their whole speed range. Belt stayed tight.

Cleaned up work area and put tools away.

Sep 17: Wrote story.

Completed work order paperwork and submitted to Service

Writer.

CONTINUED ON PAGE 05

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	CR8.90	960				
FREIGHT						
322357			WASHER, LOCK	1	17.50	17.50
84287636			GUIDE	6	.54	3.24
84315756			NUT, SPECI	3	8.15	24.45
87565880			HUB	6	3.26	19.56
87569653			EXPANDER	1 M	1551.76	1551.76
87599907			CAM	2	42.84	85.68
9804255			F-BOLT, M6	1 M	778.31	778.31
				6	2.01	12.06
					PARTS	2492.56
					LABOR	2415.50
					SEGMENT TOTAL==>	4908.06
13000040						

***** WORK ORDER TOTALS *****

PARTS	2492.56
LABOR	2687.75
DISPOSAL FEE	48.31
SHOP SUPPLIES	205.31
SUB TOTAL==>	5433.93
GST 797594660	271.72
TOTAL CHARGE	5705.65

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