

Hernando County Board of County Commissioners  
15470 Flight Path Dr.  
Brooksville, FL 34604

Rev: 4

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Construction Change Order

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**Owner:** Hernando County Board of County Commissioners**Owner's Representative:****Vendor:** CENTRISYS CORPORATION

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**Change Order No.** 2  
**Contract No.** 25000635**Change Order Date:** 01-16-2026  
**Contract Date:****Project Description:**CENTRIFUGE MACHINE REPAIR

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**The Project is Changed as Follows**

Justification: Contract:25-TS0204/JC Contract Name: Centrisys CNP CORP

Grant GMS#: N/A

CO#: 2 is to increase line 2 to cover additional equipment identified during inspection, required for proper operation of the Centrifuge.

Increase Line 2 \$94,148.39 New Line Total \$461,698.39

Old PO Total \$585,550.00 New PO Total \$679,698.39

Dept 07201 Account 5304617 Line #2 \$94,148.39

7201-5304617 2 94148.39

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<b>Total Addition/Deduction this Change Order:</b>	94,148.39
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<b>The Original Contract Sum was</b>	218,000.00
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<b>Net Change by previously authorized Change Orders:</b>	367,550.00
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<b>The Contract Sum prior to this Change Order was</b>	585,550.00
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<b>The Net Amount of this Change Order is:</b>	94,148.39
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<b>The new Contract Sum including this Change Order will be</b>	679,698.39
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**The Contract Time will be changed by this Change Order (Days):****The Date of Substantial Completion as of the date of this Change Order therefore is:**

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**Vendor Name/Address:**CENTRISYS CORPORATION  
9586 58TH PLACE  
KENOSHA, WI 53144**Owner or Owner's Representative:**Hernando County Commission  
15470 Flight Path Dr.  
Brooksville, FL 34601  
**Authorized Signature****Date:** 1/16/2025

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**Chief Procurement Office****Date:** 

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**Distribution:**Vendor - Original  
Purchasing & Contracts  
Finance  
Requisitioning  
Contract File



## Repair Inspection Report and Quote

<b>Customer:</b>	HERNANDO	<b>Centrifuge Mfr.</b>	Centrisys
<b>Street</b>	15365 Cortez Blvd	<b>Model No.</b>	CS21-4HC
<b>City State Zip</b>	Brooksville, FL 34613	<b>Serial No.</b>	4075
<b>Contact:</b>	Bruce Batten	<b>Rotodiff Model No.</b>	2071 DLF
<b>Office Phone:</b>	(352) 754-4058	<b>Rotodiff Serial No.</b>	70038
<b>Cell Phone:</b>	(352) 398-5809	<b>Hydraulic Pump Model No.</b>	CS11-22-Z TW
<b>E-Mail:</b>	Bbatten@co.hernando.fl.us	<b>Hydraulic Pump Serial No.</b>	135428-5
<b>CC:</b>		<b>Job No.</b>	14544-04
<b>Date:</b>	1-14-2026	<b>P.O. No.</b>	
<b>Description:</b> CS21-4HC rotating assembly, 2071 rotodiff, HPU, ETC on Skid. Some customer supplied parts.			
<b>Scope:</b> Inspect and repair			
<b>Regional Sales Manager:</b>	Mickey Balash	(346) 455-7380	mbalash@centrisys.us







### ADDITIONAL ITEMS

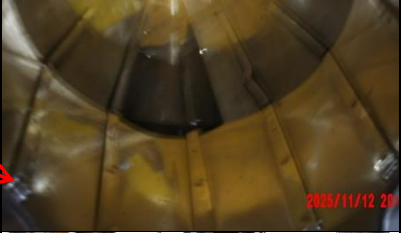




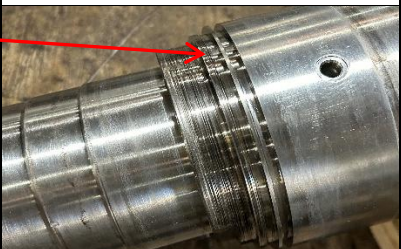
### QUOTE

<b><i>New Main Motor</i></b>	<b><i>\$ 11,250.60</i></b>
<b><i>New Polymer Tote Stand</i></b>	<b><i>\$ 2,812.65</i></b>
<b><i>2 New Gearboxes &amp; Motors for Conveyors</i></b>	<b><i>\$ 17,997.75</i></b>
<b><i>New Handrails for trailer</i></b>	<b><i>\$ 6,905.79</i></b>
<b><i>New Hydraulic Pump Unit</i></b>	<b><i>\$ 17,177.80</i></b>
<b><i>Repair Bowl/Conical Strip</i></b>	<b><i>\$16,829.96</i></b>
<b><i>End Plate Conversion</i></b>	<b><i>\$ 2,544.10</i></b>
<b><i>Rework of all structural weldments</i></b>	<b><i>\$18,629.74</i></b>
<b><i>Shipping</i></b>	<b><i>(Included in Original Job)</i></b>
<b><i>TOTAL</i></b>	<b><i>\$ 94,148.39</i></b>






### TERMS






<b><i>FOB</i></b>	<b><i>Kenosha, WI</i></b>
<b><i>Warranty</i></b>	<b><i>6 months on repaired/replaced parts</i></b>
<b><i>Quote valid for 30 days. Centrisys reserves the right to adjust this estimate. A purchase order is required within 60 days of the customer receiving this quote to avoid storage fees.</i></b>	

	Item/Condition	Recommended Action	Notes	Picture Control & scroll to enlarge pic
	<b>Bowl</b>	Balance <input checked="" type="checkbox"/> Replace all bearings & seals <input checked="" type="checkbox"/>		
1.	<b>Bowl Center Section Inner Surface</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Solids build up <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Coarse media blast <input type="checkbox"/> Repair <input type="checkbox"/> Replace ceramic tiles <input type="checkbox"/> Clean <input type="checkbox"/>		
2.	<b>Bowl Center Section Outer Surface</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Baffle groove damage <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Clean <input type="checkbox"/> Coarse media blast <input type="checkbox"/> Repair <input type="checkbox"/>		
3.	<b>Bowl Center Section Wear Strips</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Missing <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input checked="" type="checkbox"/> Replace damaged strips <input checked="" type="checkbox"/> Add strips <input type="checkbox"/>	Adder	
4.	<b>Bowl Conical Inner Surface</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Solids build up <input type="checkbox"/>	No action necessary <input type="checkbox"/> Coarse media blast <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace ceramic tiles <input type="checkbox"/> Clean <input type="checkbox"/>	Inner surface polished - Blast	
5.	<b>Bowl Conical Outer Surface</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Baffle groove damage <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Coarse media blast <input type="checkbox"/> Repair <input type="checkbox"/> Apply protective coating <input type="checkbox"/> Clean <input type="checkbox"/>		
6.	<b>Conical to SEWH Fit I.D. Ø</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		






	Item/Condition	Recommended Action	Notes	Picture Control & scroll to enlarge pic
7.	<b>Bowl Conical Section</b> <b>Wear Strips</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Missing <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input checked="" type="checkbox"/> Replace <input type="checkbox"/>	Strips bent – Repair Adder	
8.	<b>Bowl Conical Discharge Nozzles</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Missing <input type="checkbox"/> Damaged <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input checked="" type="checkbox"/>		
9.	<b>Solid End Headwall External Fits</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		
10.	<b>Solid End Headwall Housing Seal Fits</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		
11.	<b>Solid End Housing Seal Assembly</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Damaged <input type="checkbox"/> Missing <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		
12.	<b>Solid End Headwall Laminar Ring Groove</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input checked="" type="checkbox"/> Replace <input type="checkbox"/>	Machine and install repair ring	



	Item/Condition	Recommended Action	Notes	Picture Control & scroll to enlarge pic
13.	<b>Solid End Headwall</b> <b>Main Bearing Fit</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/> Corrosion found <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		
14.	<b>Solid End Headwall</b> <b>Pulley Fits (external)</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		
15.	<b>Solid End Headwall-</b> <b>Inner Race, Retainer and</b> <b>Seal Ledge Fits (internal)</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		
16.	<b>Solid End Headwall-</b> <b>Needle Bearing Inner Race</b> <b>Retainer</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input checked="" type="checkbox"/>		
17.	<b>Solid End Headwall</b> <b>Seal Ledge</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Damaged <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input checked="" type="checkbox"/>		






	Item/Condition	Recommended Action	Notes	Picture Control & scroll to enlarge pic
18.	<b>Liquid End Headwall Fits (External)</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		
19.	<b>Liquid End Headwall Housing Seal Fits</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		
20.	<b>Liquid End Housing Seal Assembly</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Damaged <input type="checkbox"/> Missing <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		
21.	<b>Liquid End Headwall Laminar Ring Grooves</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		
22.	<b>Liquid End Headwall Main Bearing Fit (External)</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/> Corrosion found <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		









	Item/Condition	Recommended Action	Notes	Picture Control & scroll to enlarge pic
23.	<b>Liquid End Headwall Carrier Fits (External)</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		
24.	<b>Liquid End Headwall Weir Plate Assy's</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Damaged <input type="checkbox"/> Missing <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		
25.	<b>Liquid End Headwall Fits (Internal)</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		
26.	<b>Liquid End Headwall Thrust Bearing Fit (Internal)</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		
27.	<b>Liquid End Headwall Scroll Thrust Bearing Retainer</b> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Damaged <input type="checkbox"/> Missing <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		






	Item/Condition	Recommended Action	Notes	Picture Control & scroll to enlarge pic
28.	<b>Liquid End Thrust Bearing Retainer</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Damaged <input type="checkbox"/> Missing <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input checked="" type="checkbox"/>		
29.	<b>Scroll</b>	Balance <input checked="" type="checkbox"/> Replace all bearings & seals <input checked="" type="checkbox"/>		
30.	<b>Scroll Flights</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Damaged <input checked="" type="checkbox"/> Missing <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input checked="" type="checkbox"/> Replace <input type="checkbox"/> Coarse media blast <input type="checkbox"/>	LE side flight bent - Repair	
31.	<b>Scroll Tungsten Carbide Hard Facing</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Damaged <input type="checkbox"/> Missing <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair TC Hard facing <input type="checkbox"/>		
32.	<b>Scroll Tiles</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Damaged/Cracked <input checked="" type="checkbox"/> Missing <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Replace tiles <input checked="" type="checkbox"/> Add additional wear protection <input type="checkbox"/>	225 Tiles	
33.	<b>Scroll Feed Nozzles</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Damaged /Cracked <input type="checkbox"/> Missing <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		
34.	<b>Scroll Feed Chamber</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Solids build up <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Add wear protection <input checked="" type="checkbox"/> Coarse media blast <input type="checkbox"/>		











	Item/Condition	Recommended Action	Notes	Picture Control & scroll to enlarge pic
35.	<b>Scroll Pre-Chamber</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/> Solids build up <input checked="" type="checkbox"/>	No action necessary <input type="checkbox"/> Clean <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Add Prechamber Plate <input type="checkbox"/>		
36.	<b>Scroll Solid End Needle Bearing Fits</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Damaged <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/> Corrosion found <input type="checkbox"/> Needle Bearing Failed <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/>		
37.	<b>Needle Bearing Retaining Plate</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Needs O-Ring groove machined <input type="checkbox"/> Repair for -R part <input type="checkbox"/>		
38.	<b>Needle Bearing Retaining Spacer</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		
39.	<b>Scroll Liquid End Thrust Bearing Fits (Internal)</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Damaged <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/> Corrosion found <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/>		









	Item/Condition	Recommended Action	Notes	Picture Control & scroll to enlarge pic
40.	<b>Spline Socket</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		
41.	<b>Pulley</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Damaged <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/> Corrosion found <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Paint <input checked="" type="checkbox"/>		
42.	<b>Pulley Laminar Ring Grooves</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Install Laminar Ring Groove <input type="checkbox"/> Repair Ring #18517 <input type="checkbox"/> Replace Laminar Ring Groove <input type="checkbox"/> Repair Ring #18517 <input type="checkbox"/>		
43.	<b>Carrier 16 Holes</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Damaged <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/> Corrosion found <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Paint <input checked="" type="checkbox"/>		
44.	<b>Carrier Laminar Ring Grooves</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Install Laminar Ring Groove <input type="checkbox"/> Repair Ring #18517 <input type="checkbox"/> Replace Laminar Ring Groove <input type="checkbox"/> Repair Ring #18517 <input type="checkbox"/>		
45.	<b>Solid End Pillow Block</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Damaged <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/> Corrosion found <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Paint <input checked="" type="checkbox"/>		









	Item/Condition	Recommended Action	Notes	Picture Control & scroll to enlarge pic
46.	<b>Main Bearing Cover Plate</b> <b>Outer (SE)</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Damaged <input type="checkbox"/> Missing <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Paint <input checked="" type="checkbox"/>		
47.	<b>Main Bearing Cover Plate</b> <b>Inner (SE)</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Damaged <input type="checkbox"/> Missing <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Paint <input checked="" type="checkbox"/>		
48.	<b>Liquid End Pillow Block</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Damaged <input type="checkbox"/> Runout <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/> Corrosion found <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Paint <input checked="" type="checkbox"/>		
49.	<b>Main Bearing Cover Plate</b> <b>Outer (LE)</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Damaged <input type="checkbox"/> Missing <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Paint <input checked="" type="checkbox"/>		
50.	<b>Main Bearing Cover Plate</b> <b>Inner (LE)</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input checked="" type="checkbox"/> Severe wear <input type="checkbox"/> Damaged <input type="checkbox"/> Missing <input type="checkbox"/> Undersized (Dimensional) <input type="checkbox"/> Oversized (Dimensional) <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Paint <input checked="" type="checkbox"/>		



	Item/Condition	Recommended Action	Notes	Picture Control & scroll to enlarge pic
51.	<b>Rotodiff</b> Leak test passed <input type="checkbox"/> Leak test failed <input checked="" type="checkbox"/> Contamination <input type="checkbox"/> Metal flakes in oil <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Oil Sample sent for analysis <input type="checkbox"/>	No action necessary <input type="checkbox"/> Leak & pressure tested <input checked="" type="checkbox"/> Dismantle and clean <input checked="" type="checkbox"/> Bearings & seals replaced <input checked="" type="checkbox"/> Replace ___ proximity sensors <input type="checkbox"/> Replace ___ sensor <input type="checkbox"/> brackets <input type="checkbox"/> Paint <input type="checkbox"/>		
52.	<b>Rotodiff Transfer Seal</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/>	No action necessary <input type="checkbox"/> Replace <input checked="" type="checkbox"/>		
53.	<b>Rotodiff Sealing Rings</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/>	No action necessary <input type="checkbox"/> Replace <input checked="" type="checkbox"/>		
54.	<b>Rotodiff Cam</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Recondition <input type="checkbox"/> Replace <input type="checkbox"/>		
55.	<b>Rotodiff Rotor</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/>	No action necessary <input type="checkbox"/> Lap to clean up <input type="checkbox"/> Replace __ pistons <input type="checkbox"/> Replace __ rollers <input type="checkbox"/> Replace entire rotor <input checked="" type="checkbox"/>		
56.	<b>Rotodiff Distributor</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input type="checkbox"/> Lap to clean up <input checked="" type="checkbox"/> Recondition <input type="checkbox"/> Replace <input type="checkbox"/>		
57.	<b>Rotodiff Stationary Shaft</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		
58.	<b>Rotodiff Shaft Extension</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		

	Item/Condition	Recommended Action	Notes	Picture
59.	<b>Rotodiff Shaft Cap</b> No damage <input type="checkbox"/> Normal wear <input checked="" type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input type="checkbox"/>	No action necessary <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/>		 Control & scroll to enlarge pic
<b>NOTE:</b> Very high operating temperature, pressure and especially contamination will adversely affect Rotodiff life expectancy. In severe conditions, increase oil change and filter interval to 2500-3000hrs. When oil filter vase has metallic particles in it and plugs frequently, DO NOT continue to run Rotodiff. Send Rotodiff in for inspection! Recommended Rotodiff inspection intervals are 15000 hours under normal operating conditions. If a badly worn Rotodiff is continuously run despite a plugged filter, a catastrophic failure can result and parts of the Rotodiff can be drawn in by the pump unit or plug up the suction strainer, if equipped, and cause the pump to fail as well. ALWAYS CLEAN THE TANK, REPLACE ALL FILTERS AND STRAINERS AND FLUSH THE HOSES WITH CLEAN OIL BEFORE STARTING THE UNIT AFTER A REPAIRED OR NEW ROTODIFF IS INSTALLED. THEN REPLACE FILTER AGAIN AFTER 200 HOURS.				
60.	<b>Skid Main Supports</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Damaged <input checked="" type="checkbox"/>	No action necessary <input type="checkbox"/> Paint <input type="checkbox"/> Weld Repair <input checked="" type="checkbox"/>	Main supports found to be heavily corroded and compromised – Weld repair main supports	
61.	<b>Skid Main Support Gussets</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Damaged <input checked="" type="checkbox"/>	No action necessary <input type="checkbox"/> Paint <input type="checkbox"/> Weld Repair <input checked="" type="checkbox"/>	Main support gussets found to be compromised/corroded – Replace compromised gussets	
62.	<b>Skid Lower Base Frame</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Damaged <input checked="" type="checkbox"/>	No action necessary <input type="checkbox"/> Paint <input type="checkbox"/> Weld Repair <input checked="" type="checkbox"/>	Lower base frame found compromised in multiple locations – Replace sections of lower base frame on all four sides of the skid  See more pictures below	
63.				

	Item/Condition	Recommended Action	Notes	Picture Control & scroll to enlarge pic
64.	<b>Skid Lower Base Frame Pump Mounting Supports</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Damaged <input checked="" type="checkbox"/>	No action necessary <input type="checkbox"/> Paint <input type="checkbox"/> Weld Repair <input type="checkbox"/>	<input type="checkbox"/> Mounting supports for pumps/fixed conveyor found to be corroded and compromised – <input checked="" type="checkbox"/> Replace mounts  See more pictures below	
65.	<b>Skid Frame Isolator Cups</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Damaged <input checked="" type="checkbox"/>	No action necessary <input type="checkbox"/> Paint <input type="checkbox"/> Weld Repair <input type="checkbox"/>	<input type="checkbox"/> Isolator cups severely corroded – Replace mounting plates and isolator cups. <input checked="" type="checkbox"/>	
66.	<b>Skid Piping Manifold</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Damaged <input checked="" type="checkbox"/>	No action necessary <input type="checkbox"/> Paint <input type="checkbox"/> Weld Repair <input type="checkbox"/>	<input type="checkbox"/> Manifold found corroded and compromised - <input checked="" type="checkbox"/> Repair	
67.	<b>Skid Belly Pan Drain</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Damaged <input checked="" type="checkbox"/>	No action necessary <input type="checkbox"/> Paint <input type="checkbox"/> Weld Repair <input type="checkbox"/>	<input type="checkbox"/> Belly pan drain severely corroded – Replace <input checked="" type="checkbox"/>	
68.	<b>Skid Cat Walk Supports</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Damaged <input checked="" type="checkbox"/>	No action necessary <input type="checkbox"/> Paint <input type="checkbox"/> Weld Repair <input type="checkbox"/>	<input type="checkbox"/> Catwalk supports corroded – Weld repair <input checked="" type="checkbox"/>	
69.	<b>Main Drive Motor</b> No damage <input type="checkbox"/> Normal wear <input type="checkbox"/> Minor wear <input type="checkbox"/> Severe wear <input checked="" type="checkbox"/> Missing <input type="checkbox"/>	No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Replace bearings <input type="checkbox"/> Paint <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	





	Item/Condition	Recommended Action	Notes	Picture Control & scroll to enlarge pic
70.	<b>Cover Vibration Isolators</b> <b>Frame Rubber Bumpers</b> <b>Solids Chute</b> <b>Expansion Boot</b> <b>Flexible Feed Pipe Conn.</b> <b>Conduit</b> <b>Name Plate</b>	<input checked="" type="checkbox"/> Replace <input checked="" type="checkbox"/> Replace <input type="checkbox"/> Replace <input checked="" type="checkbox"/> Replace <input type="checkbox"/> Replace <input checked="" type="checkbox"/> Replace <input checked="" type="checkbox"/> Replace	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
71.	<b>Hydraulic Internal Pump</b> No damage Normal wear Minor wear Severe wear	<input type="checkbox"/> No action necessary <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Original Shipped to site – Replace with new <input type="checkbox"/> <input checked="" type="checkbox"/>	
72.	<b>Skid-Conveyor #1</b> <b>Fixed Conveyor</b> <b>Gearbox and Motor</b> SEW Dodge Other  No damage Normal wear Minor wear Severe wear Oil level checked Test - passed Test - failed	<input type="checkbox"/> No action necessary <input type="checkbox"/> Fill/replace gearbox oil <input type="checkbox"/> Paint gearbox <input type="checkbox"/> Replace gearbox <input type="checkbox"/> Grease motor <input type="checkbox"/> Replace motor bearings <input type="checkbox"/> Paint motor <input type="checkbox"/> Replace motor <input type="checkbox"/> Replace superseal <input type="checkbox"/> Replace drive shaft <input checked="" type="checkbox"/> Repair drive plate <input type="checkbox"/> Replace drive plate <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
73.	<b>Skid-Conveyor #2</b> <b>Long Swing-out Conveyor</b> <b>Gearbox and Motor</b> SEW Dodge Other  No damage Normal wear Minor wear Severe wear Oil level checked Test - passed Test - failed	<input type="checkbox"/> No action necessary <input type="checkbox"/> Fill/replace gearbox oil <input type="checkbox"/> Paint gearbox <input type="checkbox"/> Replace gearbox <input type="checkbox"/> Grease motor <input type="checkbox"/> Replace motor bearings <input type="checkbox"/> Paint motor <input type="checkbox"/> Replace motor <input type="checkbox"/> Replace superseal <input type="checkbox"/> Replace drive shaft <input checked="" type="checkbox"/> Repair drive plate <input type="checkbox"/> Replace drive plate <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
74.	<b>Control Panel</b> No damage Normal wear Minor wear Severe wear  Test - passed Test - failed	<input type="checkbox"/> No action necessary <input type="checkbox"/> Replace ___ wires <input type="checkbox"/> Repair cooler <input type="checkbox"/> Replace cooler filter <input type="checkbox"/> Replace cooler <input type="checkbox"/> Replace fans <input type="checkbox"/> Replace Entire Panel <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> The existing panel enclosure cannot fit the new <input type="checkbox"/> components to match Hernando 3 panel. For <input type="checkbox"/> this reason, we will supply a brand-new panel <input type="checkbox"/> enclosure (\$15,000.00 value) to match <input type="checkbox"/> Hernando 3 if you trade in your old panel <input type="checkbox"/> enclosure. <input type="checkbox"/> <input type="checkbox"/>	



	Item/Condition	Recommended Action	Notes	Picture Control & scroll to enlarge pic
75.	<b>Trailer</b> No damage Normal wear Minor wear Severe wear N/A	No action necessary <input type="checkbox"/> Repair Conestoga <input type="checkbox"/> Repair floor/grating <input type="checkbox"/> Paint <input type="checkbox"/> New safety stickers <input checked="" type="checkbox"/> New Trailer		

#### **Adder Breakdown**

1. New Main Motor	\$11,250.60
2. New Polymer Tote Stand	\$2,812.65
3. 2 New Gearboxes & Motors for Conveyors	\$17,997.75
4. New Handrails for trailer	\$6,905.79
5. New Hydraulic Pump Unit	\$17,177.80
6. Repair Bowl/Conical Strip	\$16,829.96
7. End Plate Conversion	\$2,544.10
8. Rework of all structural weldments	\$18,629.74
<b>Total</b>	<b>\$94,148.39</b>