

CARIBOO RAIL HYRAIL INSPECTION

J22-2

JOB NUMBER: _____

UNIT NUMBER: 52

ODOMETER: 106105

MI / KM LICENCE: CR43691

VIN #: 1FD0WSHT8MEC93919

WORK ORDER #: _____

VENDOR: AIC

DATE: FEB 12 / 24

Front Hirail Make: CONTINENTAL Model: G20 S/N: W403072

Rear Hirail Make: _____ Model: SL20A S/N: W403072

WORK DESCRIPTION

"G" - Item In Good Condition "A" - Item May Require Future Attention
 "R" - Item Repaired "N" - Item Not Applicable

#	Item to Inspect	A	R	N	NOTES:
1	Manufacturer Manuals	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
2	Steering Lock	<input checked="" type="checkbox"/>			
3	Lights & Reflector Tape	<input checked="" type="checkbox"/>			
4	Back up Alarm	<input checked="" type="checkbox"/>			
5	General Body Condition	<input checked="" type="checkbox"/>			
6	Grab Handles	<input checked="" type="checkbox"/>			
7	Running Boards, Steps, Ladders	<input checked="" type="checkbox"/>			
8	Measure Tire Tread Depth	<input checked="" type="checkbox"/>			
9	Tire Air Pressure & Load Range	<input checked="" type="checkbox"/>			
10	Rims & Studs (without removing the wheels)	<input checked="" type="checkbox"/>			
11	Torque Spec. Sticker	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
12	Torque Wheel Nuts <u>165 lbs</u> <small>Always use a click type torque wrench and follow the manufacturer specification</small>	<input checked="" type="checkbox"/>			
13	Vehicle Brake Flex Line	<input checked="" type="checkbox"/>			
14	Steering Stopper	<input checked="" type="checkbox"/>			
15	Suspension Lock	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
16	Lock Pins	<input checked="" type="checkbox"/>			
17	Lifting Bar & Manual Lock	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
18	Rail Sweeps	<input checked="" type="checkbox"/>			
19	Electrical Isolation	<input checked="" type="checkbox"/>			
20	Guide Wheels <small>(record the measurement on the next page)</small>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
21	Guide Wheels Bearings	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
22	Spindles	<input checked="" type="checkbox"/>			
23	Hirail Brake	<input checked="" type="checkbox"/>			
24	Derail Skids	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
25	Tube & Pivot	<input checked="" type="checkbox"/>			
26	Set Screw (307A only)	<input checked="" type="checkbox"/>			
27	Vehicle Frame	<input checked="" type="checkbox"/>			
28	Hirail Weight <small>(record the measurement on the next page)</small>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
29	Hirail Height <small>(record the measurement on the next page)</small>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
30	Tire Contact on rail (HD Vehicle) <small>(record the measurement on the next page)</small>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
31	String Line	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
32	Lube Complete Hirail	<input checked="" type="checkbox"/>			
33	Air System Operation	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
34	Air System Components	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
35	Hydraulic System Operation	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
36	Hydraulic System Components	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
37	Hydrostatic/Creep Drive Operation	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
38	Hydrostatic/Creep Drive Components	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
39	Track test <small>(if required, based on driver's report or repairs performed)</small>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
40	Install "Next Service Due" Sticker	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	

FRONT & REAR DIFFS WERE
 LITTLE LOW (TOP OPEN UP)

WIND SHIELD HAS AIR RACKS

Maximum Allowable Time to Perform this Inspection	
Light Duty	
Harsco 307A Front & Rear / Rafna R-307A	4
Harsco 307A Front & 1500 Rear	4.5
Harsco 307A Front & 2000B Rear	5
Rafna R-290	6
Medium Duty	
Rafna (R-450, R-460, R-650)	7
Harsco (1920)	7
Continental (G-20)	7
DMF (RW-1019, RW-1212, RW-1420)	7
Heavy Duty	
Rafna (R-850, R890, R-1100, R-1130)	9
Continental (G-35, D-60, G60)	9
DMF (RW-1630, RW-1650)	9

*Including the time to remove & install wheel bearings, grease, string line.

CARIBOO RAIL HYRAIL INSPECTION

GENERAL STRING LINE INFORMATION

*For more specific information, please refer to the manufacturer manual.

SET UP PARALLEL STRING LINES

- A & B MUST BE EQUAL WITHIN 1/32"
- C & D MUST BE EQUAL WITHIN 1/32"

ADJUST STRING LINES AROUND VEHICLE

- E, F, G & H MUST BE EQUAL WITHIN 1/16"
- I, J, K & L MUST BE EQUAL WITHIN 1/16"
- (E, F, G & H MAY NOT EQUAL I, J, K & L)

ADJUST RAIL WHEEL ALIGNMENT

- M & O MUST EQUAL WITHIN 1/16
- N & P MUST EQUAL WITHIN 1/16
- Q & S MUST EQUAL WITHIN 1/16
- R & T MUST EQUAL WITHIN 1/16

ADJUST RAIL GEAR LATERAL ALIGNMENT

- M & O MUST EQUAL N & P WITHIN 1/8"
- Q & S MUST EQUAL R & T WITHIN 1/8"

ENSURE THAT U & V ARE BETWEEN

- 53,7/16" AND 53,9/16"
- Or as per manufacture specification

RECORD MESUREMENT

OVER-CENTER ANGLE (DEGREE)

- FRONT : _____
- REAR: _____

HIRAIL WEIGHT / RAIL WHEEL LOADS (LBS)

- LEFT FRONT: _____ RIGHT FRONT: _____
- LEFT REAR: _____ RIGHT REAR: _____

RAIL WHEEL FLANGE

- LEFT FRONT: _____ RIGHT FRONT: _____
- LEFT REAR: _____ RIGHT REAR: _____

HIRAIL HEIGHT

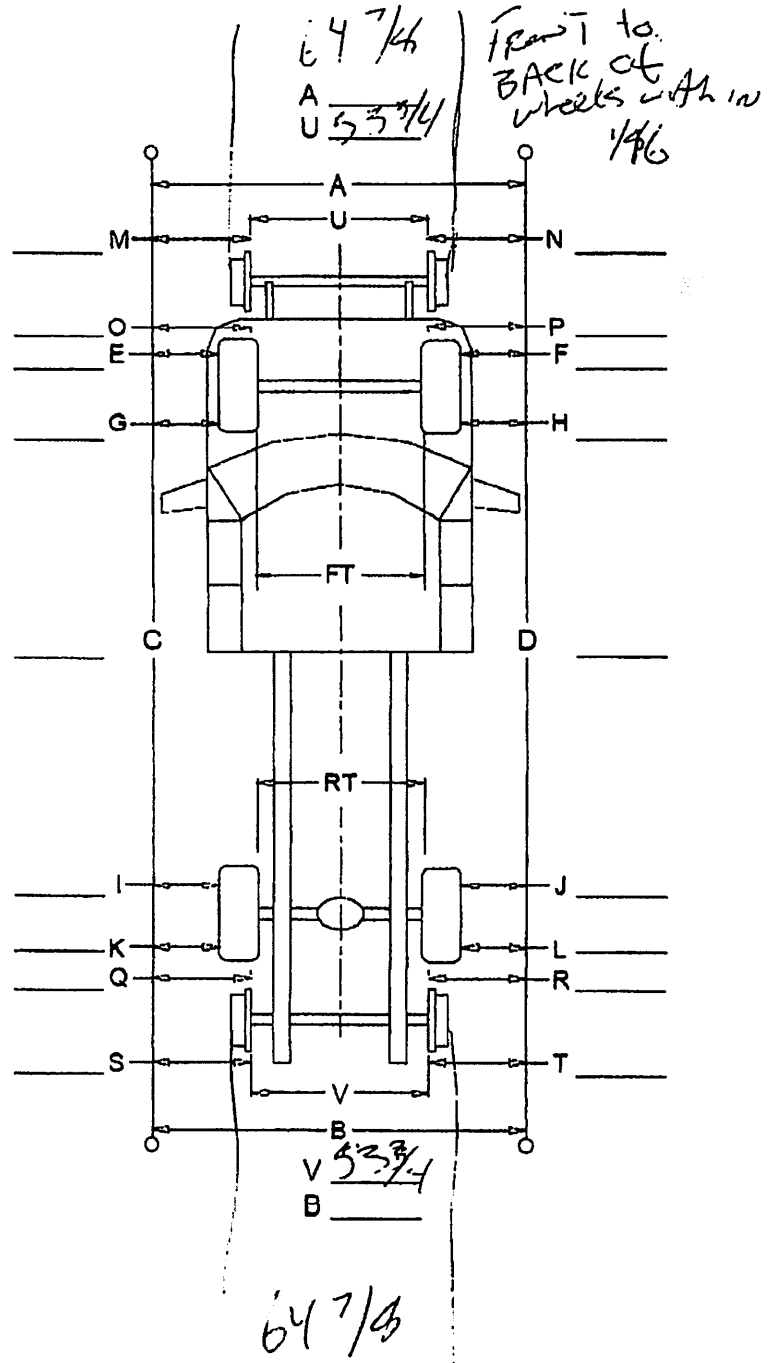
- LEFT FRONT: _____ RIGHT FRONT: _____
- LEFT REAR: _____ RIGHT REAR: _____

TIRE CONTACT (HD Vehicle)

- LEFT FRONT: _____ RIGHT FRONT: _____
- LEFT REAR: _____ RIGHT REAR: _____

TREADED ROD (B2000)

- LEFT : _____ RIGHT : _____



Attention: ANY REPAIRS REQUIRED, AS A RESULT OF THE ABOVE INSPECTION, ARE TO BE COMMUNICATED TO FLEET ADMINISTRATOR AT 250-640-4557

INSPECTED BY: _____
PRINT NAME

SIGNATURE: _____

The RAC and Driver must be notified if wheels have been removed or wheel lug nuts were loosened during THIS COMPLETED FORM MUST BE RETURNED TO FLEET ADMINISTRATOR

THIS COMPLETED FORM MUST BE RETURNED ATTACHED TO YOUR INVOICE

SEMI AND ANNUAL HI-RAIL INSPECTION

2021

DATE: FEB 21, 24

UNIT # 82

ODOMETER: 105105

HOURS: _____

PLATE # CR4 3591

SHOP: AIG

1. Test drive unit and Check for : Abnormal Noise Vibration
Harshness _____ Brakes Perf.
2. Check all lights including work lights and strobe.
3. Check all Steering and suspension components for wear and damages.
4. Check Condition and mounting of front and rear bumpers
5. Check tires for condition, match and report wear:
LF 9 32nds RF 19 32nds LR 15/19 RR 14/19
32nds 32nds 32nds 32nds
6. Inspect and grease hi-rail system and check mounting brackets for damage
7. Check cross channel, wheel arms and torque Couplings – 0307A.
8. Check locking pawl and lock pins – 0307A
9. Check set screw adjustments and pivot bushings – 0307A
10. Check Axles and threaded rods for wear and cracks – R290
11. Check pivot bearings and rubber springs – R290
12. Check all hi-rail wheels for face and flange wear and damages
LF Good RF Good LR Good RR Good
13. Check sealed wheel bearings for looseness and noise
14. Clean and Repack Servicable hi-rail wheel bearings using EP102 grease ***
15. Check all spindles for damage and wear
16. Check all wheel insulation

17. Check Hi-rail wheel weights and heights:
LF N/A RF N/A LR N/A RR N/A

18. Check all hydraulic hoses, valves, cylinders for leaks and damages.

19. Check Hi-rail pump for proper operation and pressure, adjust as necessary.

Pump Pressure : N/A PSI Spec min : 1800 PSI

20. Check front and rear lock cables, levers and pins for proper orientation and adjustment.

21. Check and adjust hi-rail sweeps

22. Retorque all wheel and wheel spacer fasteners:

OEM nuts – 165 ft/lbs

9/16 studs – 165 ft/lbs

3/4 " studs - 300 ft/lbs

23. perform hi-rail alignment according to hi-rail wheel wear

24. Check steering lock is working properly and steering is centered

25. Check for safety equipment

Back up alarm : First aid kit : Fire Ext.:

EXP 2019
ONE TO
CHECK ON
TRUCK

26. Perform a final test drive to confirm all is ok

Technician HAAS Signature [Signature]