

ANNUAL VEHICLE INSPECTION REPORT

VEHICLE HISTORY RECORD	
REPORT NUMBER	FLEET UNIT NUMBER
67987296	222
DATE 11 5 24	

MOTOR CARRIER OPERATOR Ramsey Hill Exploration	INSPECTOR'S NAME (PRINT OR TYPE) DAVY MOOLY
ADDRESS 301 S Enterprise Ave	THIS INSPECTOR MEETS THE QUALIFICATION REQUIREMENTS IN SECTION 396.19. ☒ YES
CITY, STATE, ZIP CODE Gillette WY 82716	VEHICLE IDENTIFICATION (✓ AND COMPLETE) ☐ LIC. PLATE NO. ☐ VIN ☐ OTHER 1XP-BP40X-7-KD271964
VEHICLE TYPE ☒ TRACTOR ☐ TRAILER ☐ TRUCK ☐ BUS ☐ (OTHER)	INSPECTION AGENCY/LOCATION (OPTIONAL)

VEHICLE COMPONENTS INSPECTED											
OK	NEEDS REPAIR	REPAIRED DATE	ITEM	OK	NEEDS REPAIR	REPAIRED DATE	ITEM	OK	NEEDS REPAIR	REPAIRED DATE	ITEM
			1. BRAKE SYSTEM				6. SAFE LOADING				12. WINDSHIELD GLAZING
✓			a. Service Brakes	✓			a. Vehicle parts, load, dunnage, spare tire, etc., secured.	✓			No cracks, discoloration, obstacles, etc. (see 393.60 for exceptions).
✓			b. Parking Brake System	✓			b. Front End Structure	✓			13. WINDSHIELD WIPERS
✓			c. Brake Drums or Rotors	✓			c. Intermodal Container Securement Devices	✓			No missing, damaged, or inoperable wipers.
✓			d. Brake Hose	✓			7. STEERING MECHANISM	✓			14. MOTORCOACH SEATS
✓			e. Brake Tubing	✓			a. Steering Wheel Free Play	✓			Seats securely fastened to the vehicle structure.
✓			f. Low Pressure Warning Device	✓			b. Steering Column	✓			15. REAR IMPACT GUARD
✓			g. Tractor Protection Valve	✓			c. Front Axle Beam/All Other Steering Components	✓			In place, securely attached, proper size, proper placement (see 393.86).
✓			h. Air Compressor	✓			d. Steering Gear Box	✓			16. OTHER
✓			i. Electric Brakes	✓			e. Pitman Arm				List any other condition(s) which may prevent safe operation of this vehicle.
✓			j. Hydraulic Brakes	✓			f. Power Steering				
✓			k. Vacuum Systems	✓			g. Ball and Socket Joints				
✓			l. Antilock Brake System	✓			h. Tie Rods and Drag Links				
✓			m. Automatic Brake Adjusters	✓			i. Nuts				
			2. COUPLING DEVICES				j. Steering System				
✓			a. Fifth Wheels				8. SUSPENSION				
✓			b. Pintle Hooks				a. Axle Positioning Parts				
✓			c. Drawbar/Towbar Eye				b. Spring Assembly				
✓			d. Drawbar/Towbar Tongue				c. Torque, Radius or Tracking Components				
✓			e. Safety Devices				9. FRAME				
✓			f. Saddle-Mounts				a. Frame Members				
			3. EXHAUST SYSTEM				b. Tire and Wheel Clearance				
✓			a. No leaks forward of/ directly below the driver/ sleeper compartment.				c. Adjustable Axle Assemblies (Sliding Subframes)				
✓			b. Bus: No leaking/ discharging in violation of standard.				10. TIRES				
✓			c. Unlikely to burn, char, or damage the electrical wiring, fuel supply, or any combustible part of vehicle.				a. Steer-Axle Tires				
			4. FUEL SYSTEM				b. All Other Tires				
✓			a. No visible leak.				c. Speed-Restricted Tires				
✓			b. Fuel Tank Filler Cap				11. WHEELS AND RIMS				
✓			c. Fuel tank securely attached.				a. Lock or Side Ring				
			5. LIGHTING DEVICES				b. Wheels and Rims				
✓			All required lights/reflectors operable.				c. Fasteners				
							d. Welds				

INSTRUCTIONS: MARK COLUMN ENTRIES TO VERIFY INSPECTION: ☒ OK, ☒ NEEDS REPAIR, ☒ IF ITEMS DO NOT APPLY, _____ REPAIRED DATE

CERTIFICATION: THIS VEHICLE HAS PASSED ALL THE INSPECTION ITEMS FOR THE ANNUAL VEHICLE INSPECTION IN ACCORDANCE WITH 49 CFR PART 396.

Repair Order

Qty	Part no	Description	Price	Amount	Problem(s)
1	1612	SKF Hub Cap kit	120.00	120.00	Driver's steer hub cap cracked
					PHIX Date 6 Nov 2023 Date completed 6 Nov 2023 Mileage 550,409
Driver: _____ Tech: <i>Mason</i> Unit: <i>222</i> Make: <i>Ford</i> Year: <i>2018</i>					
Description of work: <i>ReR Driver side steer hub cap. Topped w/oil.</i>					
Approved by: _____ Name: _____ Signature: <i>[Signature]</i>					
Total parts:					Total Time

Repair Order

Pass wheel seal again



Qty	Part no	Description	Price	Amount
1	35058	wheel seal		
1	5-8091	Hub gasket		
Total parts:				

Problem(s):

Driver: Pass

Tech: Pass

Unit: 222 Make: Ford Year: 2018

Type: Oil change Mileage: 558,409

Description of work:

Lifted Pass side tire off ground, put jacked under front axle, removed tire, removed brake pad caliper, pulled hub on off, pulled seal off, seal looks to be packing where the 2 pieces come together, maybe a faulty seal, found metal again in hub, both inner & outer sides show signs of flaking, needs new bearings & seals, was told to clean very well by assembly line worker, turned hub nut to spec of 305 ft/lbs, put together in reverse of that, changed wheel nuts to 45 ft/lbs, hub in full.

Approved by: _____

Name: _____

Signature: _____

Total Time: _____

[Signature]

Repair Order



Problem(s) low power lose Shackle bolts

Driver

Date 10-09-23

Tech Seely + Chaillie

Date completed 10-09-23

Unit 222

Make

Year 18

Mileage 593844

Tune-up ☐

Oil change ☐

Minor overhaul ☐

Major overhaul ☐

Fuel filter(s) ☐

Description of work

Hrs Mins

Pulled codes, No codes logged confirming low power complaint.

Temp Sensors codes are excessive think it was in a possible D rate when triggering all temp Sensor codes

All codes are inactive water/fuel Circite active code causing a check engine light.

Total parts

Notes Trunk needs to come to Shop for oil leaks and Spring Shackle bolts

Approved by

Name:

Signature:

Total Time



Oil Analysis Report

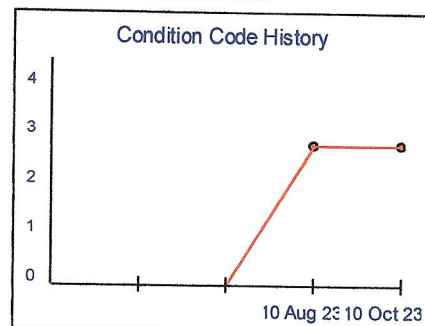
Bottle Ref: 1

0 = New or Rebuilt Machine
1 = Healthy Machine
2 = Minor or Suspect Problem
3 = Definite Problem
4 = Serious Problem

3

Diagnostics

Date: 10 October 2023
Site: Ramsey Hill Exploration, LLC
Plant: Gillette Shop
Unit: Unit No. 222
Machine: Freightliner- Engine
Lubricant: Guardol 15W-40



DIAGNOSIS:

The oil viscosity is below the lower limit. Along with elevated potassium levels. These levels indicate minor fuel dilution and/or residual from previous fuel dilution evident.
Silicon levels improved some.
Wear levels are acceptable.

RECOMMENDED ACTION:

Monitor for reported fluid and filter change to improve compartment conditions and confirm residual fuel dilution.

SAMPLE DETAILS

Date of Sample:	10 Oct 23	10 Aug 23
Sample No:	GIL-358211	GIL-356667
Fluid/Filter Changed (Yes or No):	Y/Y	Y/Y
Equipment Hrs:	544412	524977
Equipment Mls:		

WEAR METALS

LIMIT

Lead (Pb):	19	0	0
Iron (Fe):	55	21	24
Aluminum (Al):	24	12	12
Copper (Cu):	36	3	17
Chromium (Cr):	15	2	2
Tin (Sn):	15	0	0
Nickel (Ni):	4	1	1
Silver (Ag):	6	0	0

CONTAMINANTS

Silicon (Si):	19	13	22
Sodium (Na):	23	5	9
Potassium (K):	7	13	15

ADDITIVES

Titanium (Ti):	83	88
Magnesium (Mg):	418	394
Zinc (Zn):	1195	1088
Calcium (Ca):	1831	1603
Phosphorous (P):	1200	1290

PHYSICALS

Viscosity (cSt at 40°C):	L 97.8, U 126.5	72.9	122.5
Viscosity (cSt at 100°C):	L 14.0, U 17.1	0.0	0.0
Viscosity Index:	128	0	0
Water (ppm):		304	295
Fuel Dilution (%):		1.50	2.80
Total Base Number (mg KOH/g):	3	4.90	0.70

INFRA RED

Oxidation (Abs/mm²):	20.60	23.40
Nitration (Abs/mm²):	9.20	15.50
Sulphation (Abs/mm²):	23.60	25.70
Glycol (% wt):	0.00	0.00
Soot (% wt):	0.50	0.57

Repair Order



Grease + adj brakes

Problem(s)

Driver

Tech *Alison*

Unit *D2* Make *Acc*

Year *2023*

Date *6 Nov 2023*
Date completed *6 Nov 2023*
Mileage *—*

Turn up at

Change to

Work method

W/ht used (kg)

Tool (list)

Description of work

Mrs Mins

*Adjusted brakes and grease
brake components*

Total parts

Approved by

Name:

Signature:

Total Time

Repair Order

By	Part no	Description	Price	Amount	Problem(s)
	1	A3PN10691559/Cab filter			PM Dur Driver: [Redacted] Tech: <u>Mason/Doe</u> Unit: <u>222</u> Make: <u>Freight</u> Year: <u>2018</u> Tune-up ☐ Oil change ☐ Minor overhaul ☐ Major overhaul ☐ Fuel filter(s) ☐ Description of work: <u>PM Rushed/Drive came in dented truck 3</u> <u>via Charlie so had to change oil/</u> <u>filters, quick look over and get out</u>
	1	181006065/Engine Air filter			
	1	A47005913157/Fuel filter/scan			
	1	A4731800000/Engine oil filter			
					Date: <u>10 Aug 2023</u> Date completed: <u>10 Aug 2023</u> Mileage: <u>524977</u>
					Approved by: [Redacted] Name: _____ Signature: <u>[Signature]</u>
					Total parts: _____ Total Time: <u>2</u>

PHIX

Notes

Repair Order

[illegible]

Repair Order

Problem(s) **check engine light missing bumper bolt**



Driver

Date

Tech **J. LOPEZ**

Date completed

Unit **777** Make **Ford** Year **2019**

Mileage **57,476**

Tune-Up ☐ Oil change ☐ Minor overhaul ☐ Major overhaul ☐ Fuel filter(s) ☐

Description of work

Hrs Mins

**checked codes on computer
could read water in fuel system due
to bypassed wiring
welded port to bolt for bumper**

Total parts

Approved by

Name:

Signature:

Total Time



Oil Analysis Report

Bottle Ref: 1

0 = New or Rebuilt Machine
1 = Healthy Machine
2 = Minor or Suspect Problem
3 = Definite Problem
4 = Serious Problem

3

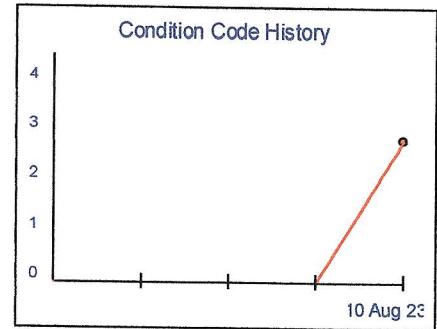
Diagnostics

Date: 10 August 2023
Site: Ramsey Hill Exploration, LLC
Plant: Gillette Shop
Unit: Unit No. 222
Machine: Cascadia
Lubricant: Guardol Fleet EC

DIAGNOSIS:

Fuel present in sample.

Silicon levels elevated. Suspect some dirt ingress.



RECOMMENDED ACTION:

Inspect for source of fuel dilution. Resample to confirm fluid and filter change reduce fuel ingress.

SAMPLE DETAILS

Date of Sample: 10 Aug 23
Sample No: GIL-356667
Fluid/Filter Changed (Yes or No): Y/Y
Equipment Hrs: 524977

WEAR METALS

LIMIT

Lead (Pb):	19	0
Iron (Fe):	55	24
Aluminium (Al):	24	12
Copper (Cu):	36	17
Chromium (Cr):	15	2
Tin (Sn):	15	0
Nickel (Ni):	4	1
Silver (Ag):	6	0

CONTAMINANTS

Silicon (Si):	19	22
Sodium (Na):	23	9
Potassium (K):	7	15

ADDITIVES

Titanium (Ti):	88
Magnesium (Mg):	394
Zinc (Zn):	1088
Calcium (Ca):	1603
Phosphorous (P):	1290

PHYSICALS

Viscosity (cSt at 40°C):	L 99.5, U 128.7	122.5
Viscosity (cSt at 100°C):	L 13.7, U 16.7	0.0
Viscosity Index:	122	0
Water (ppm):		295
Fuel Dilution (%):		2.80
Total Base Number (mg KOH/g):	3	0.70

INFRA RED

Oxidation (Abs/mm²):	23.40
Nitration (Abs/mm²):	15.50
Sulphation (Abs/mm²):	25.70
Glycol (% wt):	0.00
Soot (% wt):	0.57

Repair Order

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Repair Order

Qty	Part no	Description	Price	Amount	Problem(s)	Driver	Date	Date completed	Mileage	Major overhaul	Fuel filter(s)	Hrs	Mins
1	Clutch	Control Hydraulic			Clutch Master leaking	Tech <i>John</i> Unit 772	6/20/13	6/19/13				3	
	4006110150												
1	UAB 970051 5030	Slave Cylinder											
					Helped John install new master cylinder found the main line going to the slave cylinder was cut replaced line the slave cylinder was missing the rod and had bleeder screw installed a new slave bleed clutch								
Total parts													
Approved by													
Name:													
Signature:													
Total Time													



THE

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PHIX

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PHIL

Qty	Part no	Description	Price	Amount	Problem(s)					
1		yellow buff	comet 21		R tail light out Driver: Mike Tech: Mike Unit: 282 Make: Year: Mileage: 56194 Tune up: ☐ Oil change: ☐ Minor overhaul: ☐ Major overhaul: ☐ Fuel filter(s): ☐ Description of work: Repaired harness. R tail light works. Date: 5-21-23 Date completed: Mileage: 56194 Hrs: Mins:					
1		heat sink								
1		elec. tape								
Total parts										
Notes					Approved by		Total Time			
					Name:					
					Signature:					

Repair Order



Qty	Part no	Description	Price	Amount	Problem(s)	Date
1	4477616101	Reluma Suction Valve			low Oil Pressure	5/23/23
1	4477261081	Inlet Suction Valve				Date completed 5/25/23
1	4473800101	Oil Filter				Mileage 504,136
1	4472680101	Suction Valve				
					Driver	
					Tech	
					Unit 22	
					Tune-up	
					Oil change	
					Make	
					Year	
					Minor overhaul	
					Major overhaul	
					Fuel filter(s)	
					Description of work	
					Hrs	
					Mins	

Dropped Oil, removed oil pan removed Oil pump assembly
 inspected for damage found a crack on the suction side
 of the pump installed new O-rings and pump, cleaned
 and inspected oil pump, reinstalled the assembly, banded
 Oil assembly down, cleaned and inspected Oil pump
 installed new gas filter, cleaned working surface, installed
 Oil Pan, banded down, installed gasket, new changed
 Oil Filter added 50W-150 Pan Check Modified no
 leaks were present

Notes	Approved by	Name: <u>Steve Sisk</u>	Total Time
	Signature:		

Repair Order

Problem(s)
Hydrolocked



Driver

Date

Tech Gary + Scott

Date completed 4-13

Unit 222 Make Freight

Year 2019

Mileage 495775

Tune-up

☐

Oil change

☐

Minor overhaul

☐

Major overhaul

☐

Fuel filter(s)

☐

Description of work

Installed Rebuilt Cylinder head

RTR High Pressure Fuel Pump

40

Hrs

Mins

Qty	Part no	Description	Price	Amount
1		Fly Pump		
1		Cyl Head		
1		Head gasket		
2		Fuel Lines		
2		Fuel Filters		
1		Oil Filter		
1		Water Cooler		
1		Intake Gasket		
2		Exhaust gaskets		
2		Water Manifold Gaskets		
Total parts				

Notes

Approved by

Name:

[Signature]

Signature:

Total Time

40

Repair Order



Problem(s)

10500 air lost

Driver

Date 15 Sept 2023

Tech Mason Lico

Date completed 15 Sept 2023

Unit 222 Make Freightliner

Year 2018

Mileage 4994578

Tune-up ☐ Oil change ☐

Minor overhaul ☐

Major overhaul ☐

Fuel filter(s) ☐

Description of work

Hrs Mins

Found temporary solution, lines leaking fixed them, found the rear ABS activation valve on the RR valve leaking air, didn't have one so we took one off 228 in shop & swapped them, got leak quit, found the QR valve under page, noticed leaking didn't have one of those either so we put air line on package in & cycled brakes 4-5 times & got leak went away as well. At this time there was no more air leaks on the truck

Approved by

Name:

Signature:

Total Time

Qty

Part no

Description

Price

Amount

Total parts

Notes

Reorder Order

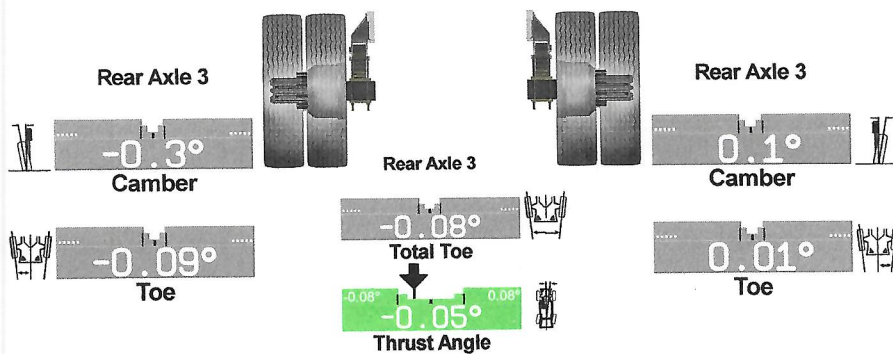
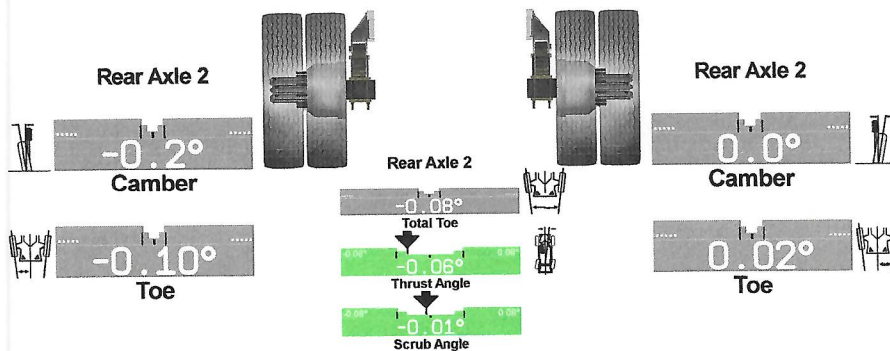
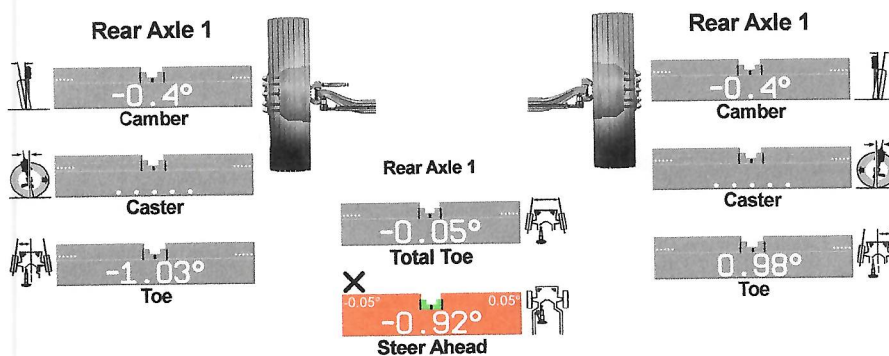
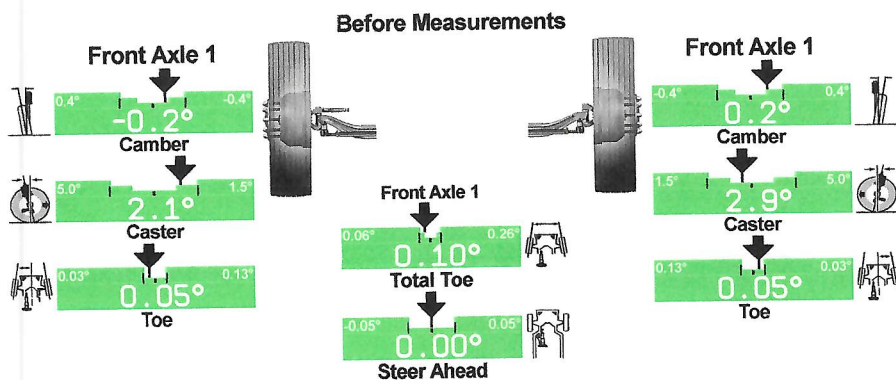
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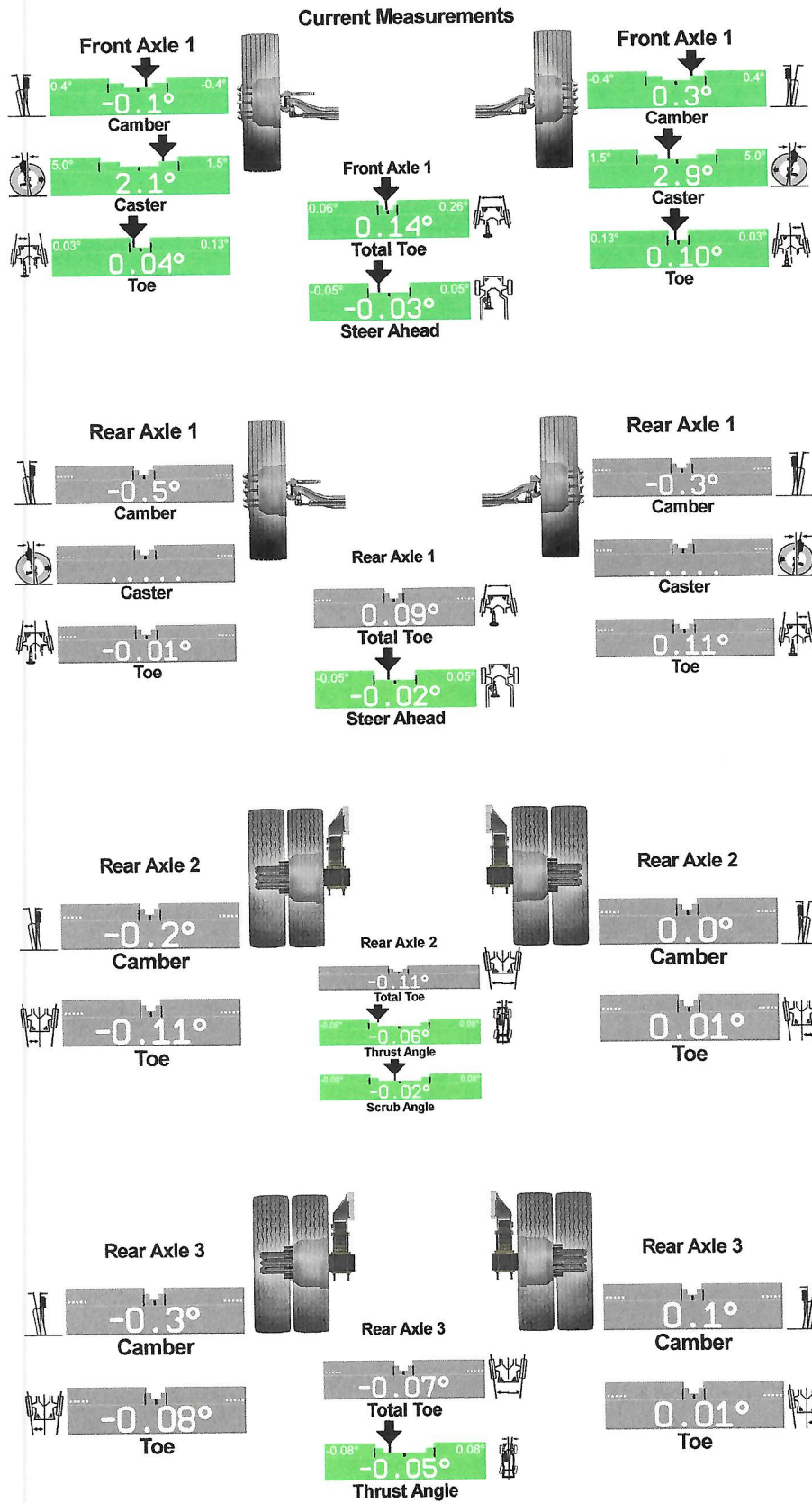
Repair Order

Qty	Part no	Description	Price	Amount	Problem(s)
10	ATF	Quarts	\$14.11		P/S leak
					
					Driver: _____ Date: 11/18/93 Tech: _____ Date completed: 11/18/93 Unit: 222 Make: FCL Year: 79 Mileage: 518923 Tune-up: ☐ Oil change: ☐ Minor overhaul: ☐ Major overhaul: ☐ Fuel filter(s): ☐ Description of work: _____ Hrs: _____ Mins: _____
					<i>Replaced 222's in boss getting high end oil filters</i>
Total parts					
tes					
Approved by					
Name: _____					
Signature: _____					
Total Time					

Heavy Duty Vehicles : Freightliner : Cascadia : Freightliner (MB)/Axle Alliance/Meritor Axles (Modified Specification)

Total Alignment Without Caster on Rear Axles, 6 sensors





• One or more values are not within specification. Tire wear, handling and safety problems may result.

Part no	Description	Price	Amount
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[illegible]

Repair Order

[illegible]

REF

Qty	Part no	Description	Price	Amount	Problem(s)
1	35658	wheel lock			R steer wheel lock
1	58091	Flange spacer			
					PHEX
Driver _____ Date 2 Nov 2023					
Tech Moran Date completed 2 Nov 2023					
Unit 232 Mileage 7948 Year 2015 Mileage 549,367					
Turned up by _____ Chief mechanic _____ Description of work _____ hrs _____ mins					
Driver drove truck into shop, lifted truck, pulled rear brake, broke off, pulled street rollers, pulled hub, R/R wheel, cleared bearings, installed hub onto axle, secured nut to 300 ft lbs, pulled hub w/ oil, installed new pads, oil brakes installed true, torqued nuts to 450 ft lbs. Checked hub again it is full. Driver drove truck out of shop. Return to service.					
Approved by _____					
Name: _____					
Signature: <i>[Signature]</i>					
Total Time					

Repair Order

[illegible]

[illegible]

