



Brothers HDD Inc
2002 23 Avenue
Wainwright, Alberta
T9W 0B8
780-214-7711

SEMI (WATER)

Maintenance Request / Report Form

Information

400

BHDD Shop

Tuesday, June 23rd 2026, 6:56 AM [MDT -06:00]

Unit Information

Date: May 20, 2026

Select Unit Number: 400

KMs: # 6259

Hours: # 16767

Please choose from list to identify if this is a request for Maintenance? Or if you are Reporting on maintenance completed.

☒ Maintenance Report - Field completion of maintenance.

Repairs Required

Description of Repairs Required (attach photos):

Cvip, water tank cracked underneath, front wheel seals, full service

-replaced front wheel seals
-full service

Serial/Part # if applicable: No Response

Urgency of Repairs:

Select priority level of repairs:

☒ Completed

Location of repairs being completed:

Pick the location where the repairs were completed:

 FULL SERVICE COMPLETED? Check the box if Oil /Filters & inspection are performed.

Requested By:

Worker Requesting Repairs:



Luke Jacobsen

Request submitted to:

After signing Request Form be sure to: Request Signature or Approval Tab and select either from the Given Names below: Ron Jerome, Jason Brown, Jon Archibald.

Signatures

Luke Jacobsen, *Mechanic*



June 23rd 2026, 6:56 AM (MDT -06:00)



52.8511445, -110.8419645





SEMI (WATER)

Brothers HDD Inc.
2002 23 Avenue,
Wainwright, Alberta
T9W 0B8
780-214-7711

Maintenance Request / Report Form

Information

400

BHDD Shop

Friday, February 20th 2026, 2:42 PM (MST -07:00)

Unit Information

Date: February 19, 2026

Select Unit Number: 400

KMs: # 2875

Hours: # 15937

Please choose from list to identify if this is a request for Maintenance? Or if you are Reporting on maintenance completed.

☒ Maintenance Report - Field completion of maintenance.

Repairs Required

Description of Repairs Required (attach photos):

☰ Turbo cracked

- drove to fort mac to replace turbo
- removed turbo, noticed manifold is cracked
- plugged and capped lines, made air line to air up truck so it can get towed to wainwright
- removed manifold and cleaned parts
- installed new aftermarket exhaust manifold and torqued to spec
- installed with new exhaust clamps
- installed turbo
- removed fan hub
- replaced bearings in fan hub
- replaced fan blade
- installed new fan clutch
- assembled fan and hub
- test ran good

Serial/Part # if applicable: No Response

Urgency of Repairs:

Select priority level of repairs:

☒ Completed

Location of repairs being completed:

Pick the location where the repairs were completed:

☒ Wainwright Shop

FULL SERVICE COMPLETED? Check the box if Oil /Filters & inspection are performed.

Requested By:

Worker Requesting Repairs:

 Luke Jacobsen

Request submitted to:

After signing Request Form be sure to: Request Signature or Approval Tab and select either from the Given Names below: Ron Jerome Dan Fontaine Jon Archibald

Signatures

Luke Jacobsen, *Mechanic*

 February 20th 2026, 2:42 PM (MST -07:00)



 55.309301, -118.7967836



SEMI (WATER)
FM

Brothers HDD Inc
2002 23 Avenue
Wainwright, Alberta
T9W 0B8
780-214-7717

Maintenance Request / Report Form

Information

... BH3351

400

BHDD Shop

Tuesday, February 10th 2026, 8:13 AM [MST -07:00]

Unit Information

Date: February 10, 2026

Select Unit Number: 400

KMs: 2800

Hours: 15900

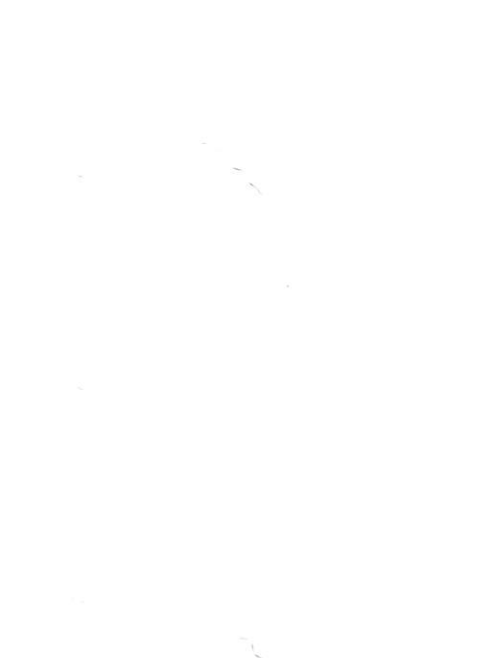
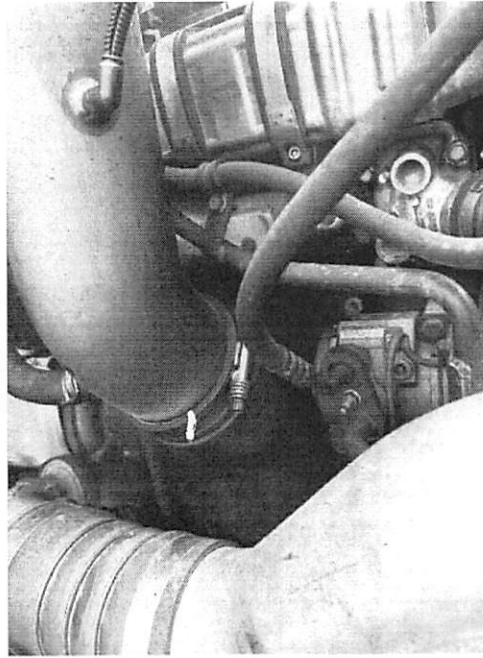
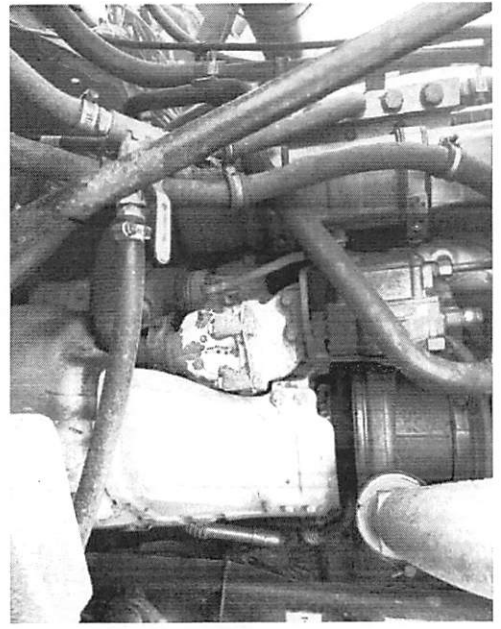
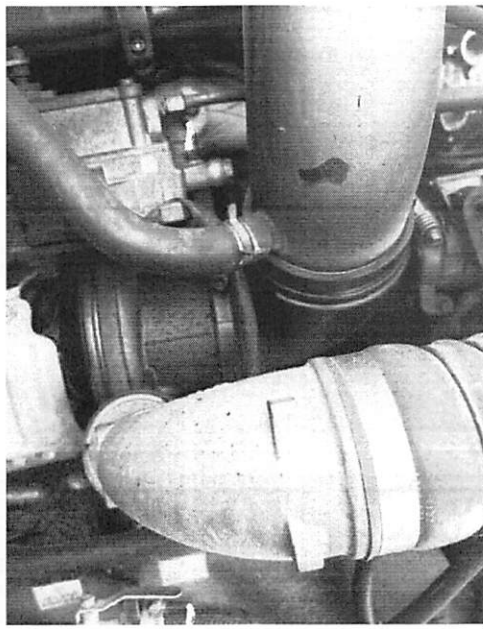
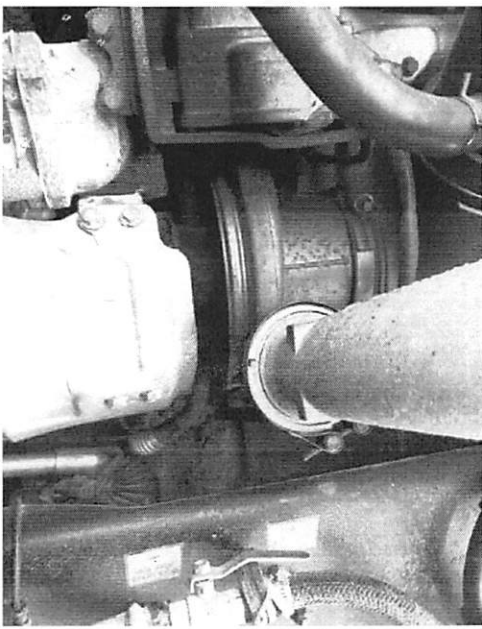
Please choose from list to identify if this is a request for Maintenance? Or if you are Reporting on maintenance completed.

☒ Maintenance Request - Request shop assistance in facilitating repairs.

Repairs Required

Description of Repairs Required (attach photos):

Gaskets and seals on turbo and side of engine



Serial/Part # if applicable:

☐ No Response

Urgency of Repairs:

Select priority level of repairs:

☒ Critical - Immediate attention needed

Location of repairs being completed:

Pick the location where the repairs were completed:

☒ Other [ie. Dealership/Town]

FULL SERVICE COMPLETED? Check the box if Oil /Filters & inspection are performed.

Requested by:

Worker Requesting Repairs:



Andrew Bahrey

Request submitted to:

After signing Request Form be sure to: Request Signature or Approval Tab and select either from the Given Names below: Ron Jerome Dan Fontaine Jon Archibald

Signatures

Andrew Bahrey, *Welder*



February 10th 2026, 8:13 AM (MST -07:00)



56.6633946, -111.2919156

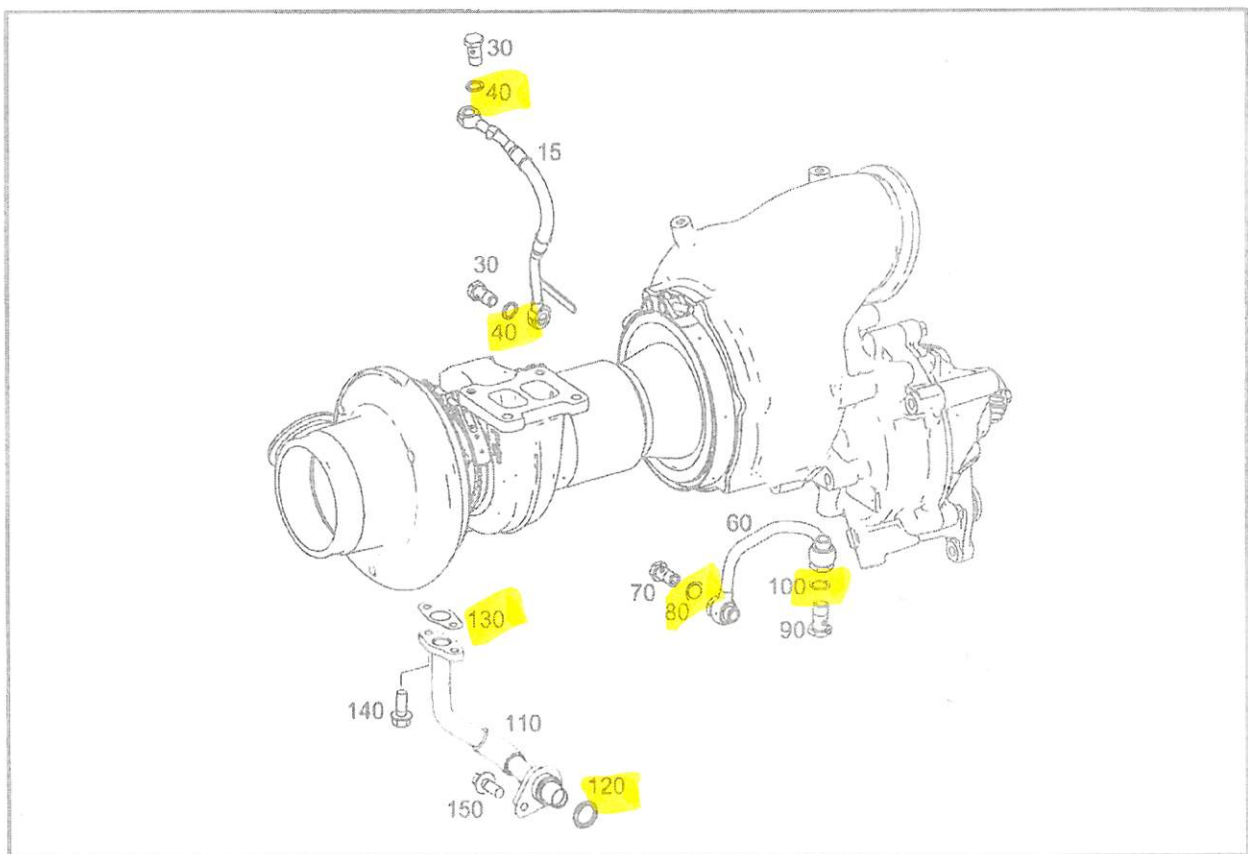
A handwritten signature in black ink, consisting of stylized letters that appear to be 'A' and 'B'.

Bill of Material Parts List



Make : DDE
Serial Number : 472904S0077870
Model : D472904
Production Date : TUE MAY 31 00:00:00 EDT 2011
BOM ID : 47290418060
BOM Description : OIL LINES
Art Id : B18060000219_20111124

18 060 00219



Tuesday, February 10, 2026
10:48:05 AM
Printed by: Kaytee Tuomola

1 / 2

#7 / #8 from #DIAGRAM 3

Bill of Material Parts List



Make : DDE
Serial Number : 472904S0077870
Model : D472904
Production Date : TUE MAY 31 00:00:00 EDT 2011
BOM ID : 47290418060
BOM Description : OIL LINES

Ref	Product Level	Part Number	Alt Part Number	Description	UM	Qty
15	0	DDE A4721800420		LINES - OIL FEED, TURBO	EA	1
15	0	DDE A4721800720		LINES - OIL FEED, TURBO	EA	1
15	0	DDE A4721801220		LINES - OIL FEED, TURBO	EA	1
30	0	DDE N000000004846		COUPLING N 15023 - A 10 - ST DBL8451.16 DD16	EA	1
30	1	DDE N000000004051		BANJO BOLT - M10	EA	1
40	0	DDE N000000001069		SEAL RING DIN 7603 - A 14 X 20 - CU CU/SN12	EA	2
40	1	DDE N000000001069 ✓		SEAL RING DIN 7603 - A 14 X 20 - CU CU/SN12	EA	2
60	0	DDE A4721800220		O/PRESS LINE Sup to: DDE A4721802120	EA	1
70	1	DDE N000000004899		BANJO BOLT	EA	1
80	1	DDE N000000001070 ✓ 2	N000000 001070	SEAL RING DIN 7603 - A 16 X 22 - CU CU/SN12	EA	2
90	1	DDE N000000004899		BANJO BOLT	EA	1
100	1	DDE N000000001070	N000000 001070	SEAL RING DIN 7603 - A 16 X 22 - CU CU/SN12	EA	2
110	0	DDE A4721800320		OIL RETURN LINE	EA	1
130	1	DDE A5411870080		GASKET - EXHAUST GAS TURBOCHARGER CL5 HDEP EPA10	EA	1
120	1	DDE A0189973145 ✓		O - RING - OIL RETURN LINE DD13 GHG17	EA	1
110	0	DDE A4721800620		OIL RETURN LINE DD16 EPA07/EPA10/GHG17	EA	1
130	0	DDE A5411870080 ✓		GASKET - EXHAUST GAS TURBOCHARGER CL5 HDEP EPA10	EA	1
140	0	DDE N000000004795		HEXAGONAL SCREW - MBN 10105, M8 X 20 - 10.9 DBL9440.4	EA	2
150	0	DDE N000000004795		HEXAGONAL SCREW - MBN 10105, M8 X 20 - 10.9 DBL9440.4	EA	1
15	0	DDE A4721801720		OIL PRESSURE LINE EXHAUST GAS TURBO DD16	EA	1
110	0	DDE A4721802520		OIL RETURN LINE EXHAUST GAS TURBO DD16 EPA10	EA	1

Ref	Product Level	Part Number	Alt Part Number	Description	UM	Qty
	0	DDE N915010008500		RING PIECE	EA	1
140	0	DDE N000000000276		SCREW - M8 X 20	EA	2
120	0	DDE A0309974645		O-Ring	EA	1

Tuesday, February 10, 2026

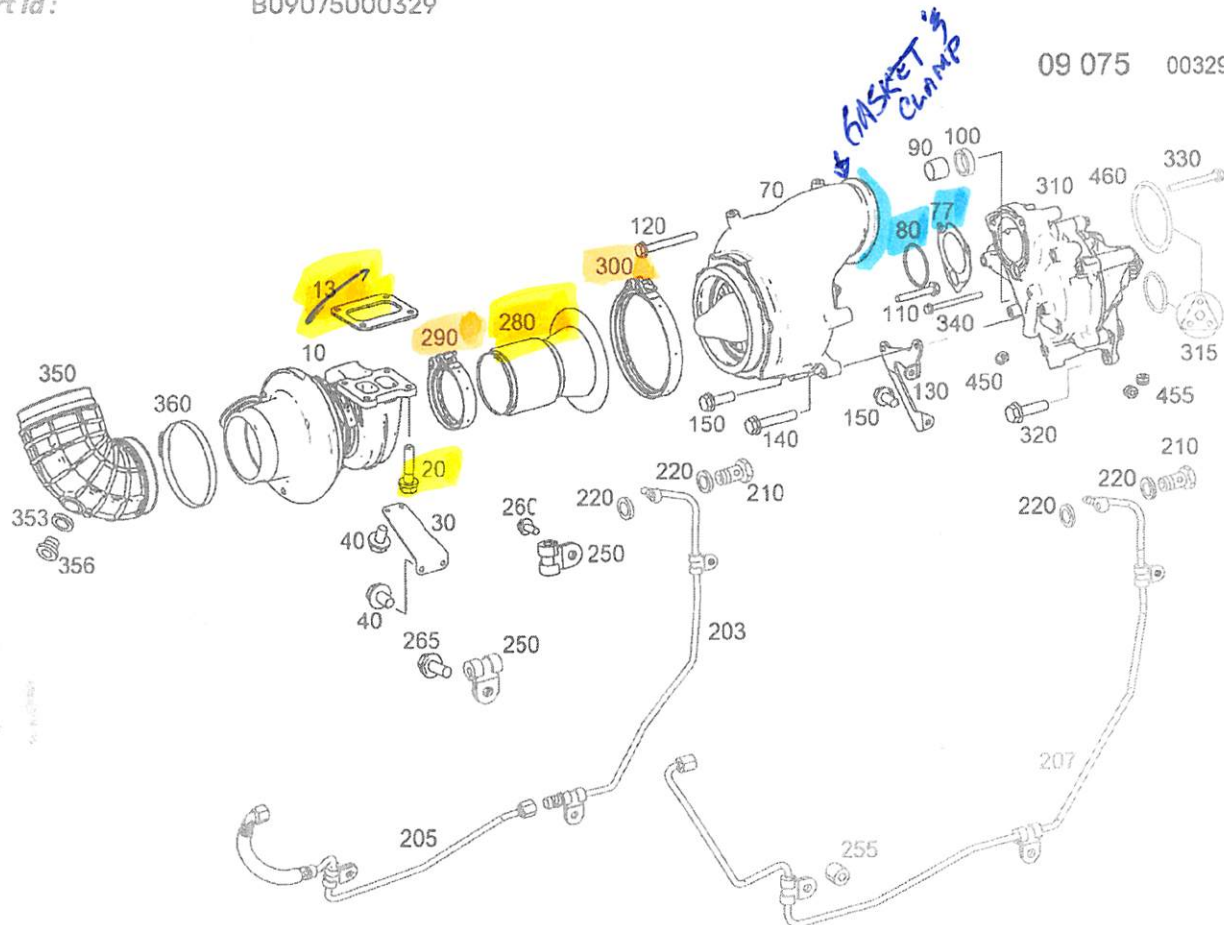
10:48:05 AM

Printed by: Kaytee Tuomola

2 / 2

EXCELERATOR™
UPTIME TURBOCHARGED

09 075 00329



1/2

Bill of Material Parts List



Make : DDE
Serial Number : 472904S0077870
Model : D472904
Production Date : TUE MAY 31 00:00:00 EDT 2011
BOM ID : 47290409075
BOM Description : TURBOCHARGER

Ref	Product Level	Part Number	Alt Part Number	Description	UM	Qty
10	0	DDE EA4720960799		Sup to: DDE EA4720961499	EA	1
10	0	DDE A4720960899		RT2: EXH GAS TURB	EA	1
10	0	DDE EA4720961399		EXH GAS TURB Sup to: DDE EA4720961999	EA	1
10	0	DDE EA4720961499		Sup to: Turbocharger DD15	EA	1
10	0	DDE EA4720961599		EXH GAS TURB Sup to: DDE EA4720961699	EA	1
10	0	DDE EA4720961699		EXH GAS TURB Sup to: DDE EA4720962099	EA	1
10	0	DDE EA4720962099	DDE RA4720962099	TURBOCHARGER - EXHAUST GAS	EA	1
10	0	DDE EA4720962299	DDE RA4720962299	EXHAUST GAS - TURBOCHARGER	EA	1
10	0	DDE EA4720900080		Sup to: DDE EA4720900780	EA	1
10	0	DDE EA4720900780		TURBO CONVSN (obsolete-see item note)	EA	1
10	0	DDE EA4720900880		KIT - EXHAUST - GAS TURBOCHARGER DD15	EA	1
10	0	DDE EA4720900980		TURBO KIT (obsolete)	EA	1
	1	A0039972871		SCREW-IN FITTING	EA	1
13	0	DDE A4720960380 ✓		METAL SEAL/GASKET TURBO CL6 DD16 EPA07/EPA10	EA	1
13	0	DDE A4730960280		METAL SEAL DD16 EPA07/EPA10/GHG14	EA	1
20	0	DDE A0189901101 ✓ 4		BOLT - MOUNTING, TURBOCHARGER	EA	4
20	0	DDE A0209902801		MOUNTING BOLT, TURBOCHARGER	EA	4
30	0	DDE A4720960140		Bracket	EA	1
30	0	DDE A4720960340		BRACKET - TURBO	EA	1
40	0	DDE A0119902301		HEXAGONAL HEAD SCREW M8 X16 X12 WITH FLANGE TURBO	EA	2
40	0	DDE N910105010006		SCREW MBN 10105 - M10 X 20 - 10.9 DBL9440.4	EA	2
70	0	DDE EA4722300234		TURBINE WG Sup to: DDE EA4722300334	EA	1

Ref	Product Level	Part Number	Alt Part Number	Description	UOM	Qty
260	0	DDE N910105006023		SCREW MBN 10105 - M6 X 16 - 10.9 DBL 9440.40	EA	2
140	0	DDE N910105010002		HEXAGONAL SCREW MBN 10105 - M10 X 50 - 10.9 DBL9440.4	EA	1

Tuesday, February 10, 2026

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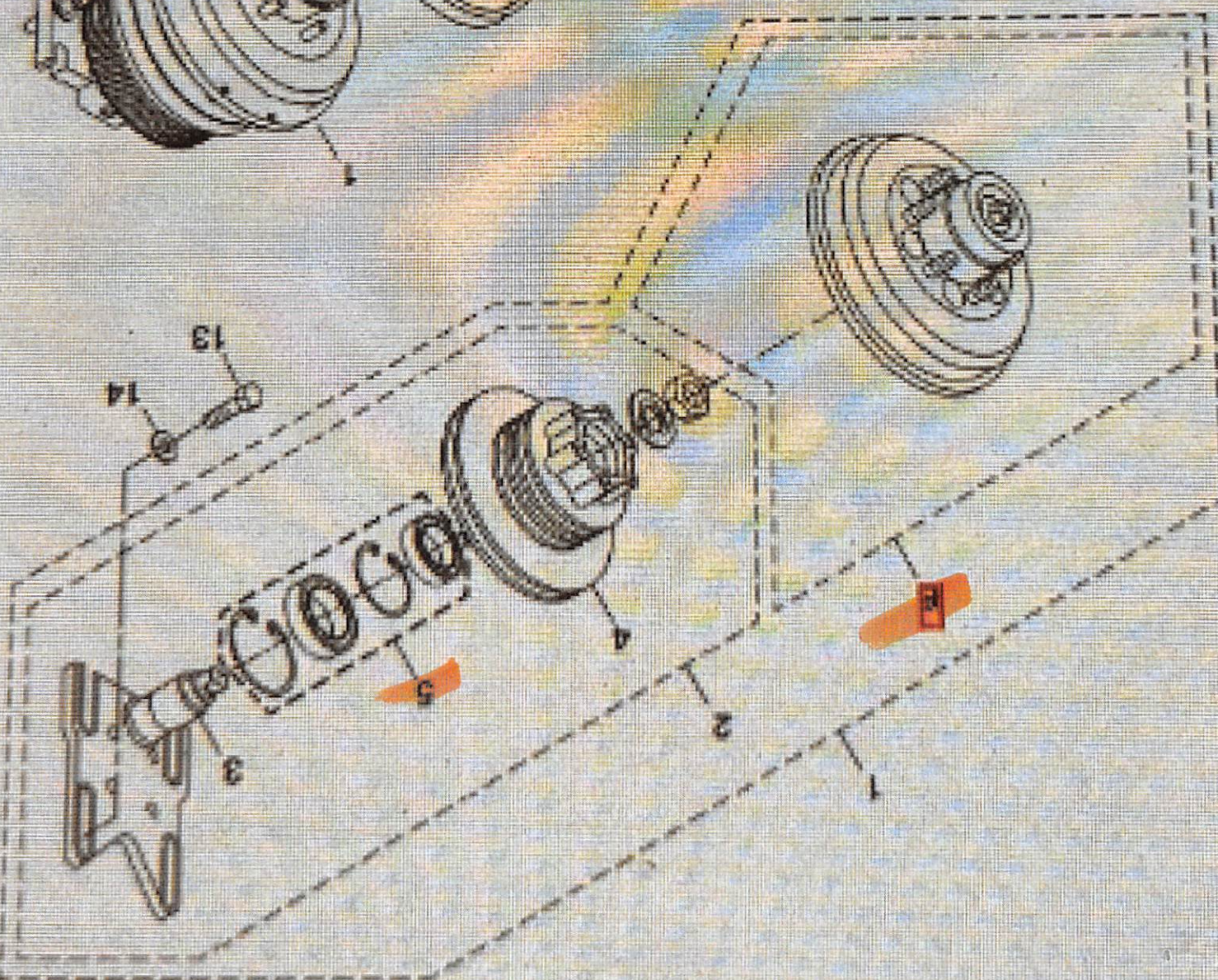
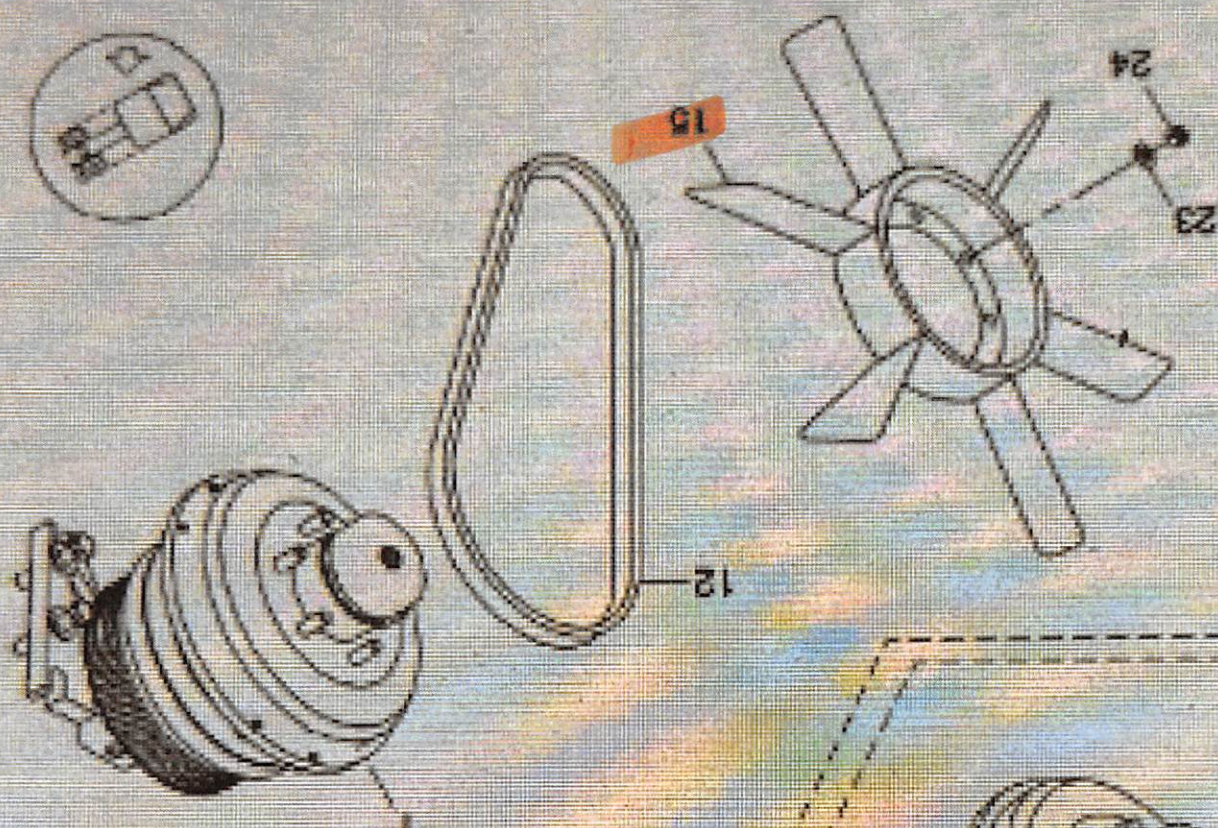
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... BH3351

Ref	Product Level	Part Number	Alt Part Number	Description	UM	Qty
280	0	DDE A4721400408		EXHAUST GAS LINE TURBO DD16 EPA07/10/GHG17	EA	1
290	0	DDE A0009958102		PIPE CLAMP	EA	1
290	0	DDE A0019954102		PIPE CLAMP DD16 EPA07/EPA10/GHG14/GHG17	EA	1
300	0	DDE A0009958202		CLAMP Sup to: DDE A0019954202	EA	1
300	0	DDE A0019954202		CLAMP Sup to: DDE A0029951502	EA	1
300	0	DDE A0029951502		PIPE CLAMP EGR REG CL6 12/24V - TURBO DD16	EA	1
310	0	DDE A4720300470		REDUCTION GEAR	EA	1
310	0	DDE EA4720300570		REDUCT GEAR	EA	1
310	0	DDE EA4720300970		REDUCT GEAR/HYD TRANSMISSION CLUTCH DD16 EPA10	EA	1
315	0	DDE A0209976545		KIT - O - RINGS TURBO GEARBOX DD15	EA	1
	1	DDE 14450997		O-RING GEAR BOX 40X2 DBL 6036.40 VITON FPM V1610/80	EA	As Required
	1	DDE 14451413		O-RING GEAR BOX 76X3 DBL 6038.40 VITON FPM V1610/80	EA	As Required
320	0	DDE N910105010007	N910105 010007	HEXAGONAL SCREW MBN 10105 - M10 X 35 - 10.9 DBL9440.4	EA	1
330	0	DDE N910105010044		SCREW MBN 10105 - C M10 X 90 - 10.9 DBL9440.4	EA	1
340	0	N910105 010013		SCRW HX FLNG,M10-1.5X120,10.9	EA	2
450	0	DDE A0019984150		PLUG CRANKCASE /TIMING GEAR CASE OM936	EA	1
455	0	DDE A0019984350		PLUG CRANKCASE CL5 DD13 EPA10/GHG14	EA	1
	0	DDE A0029908382		ADJUSTING WASHER	EA	1
460	0	DDE A0159976245		O RING - CLSNG PART TURBO DD15 EPA07/EPA10	EA	1
20	0	DDE A0219901101		HEXAGONAL HEAD SCREW WITH FLANGE	EA	4
460	0	DDE A0299978545		O-RING - TURBOCOMPOUND TRANSMISSION	EA	1
10	0	DDE EA4720962499	DDE RA4720962499	EXHAUST - GAS TURBOCHARGER DD16 EPA07/EPA10/GHG14	EA	1
	0	DDE A4729810305		TAPERED ROLLER BEARING	EA	1
	0	DDE A4729810405		TAPERED ROLLER BEARING	EA	1
310	0	DDE EA4730300034		REDUCT GEAR/HYD TRANSMISSION CLUTCH DD16 EPA10	EA	1
450	1	DDE A0019984150		PLUG CRANKCASE /TIMING GEAR CASE OM936	EA	3
250	0	N916016 006202	N000960 012062	CLAMP	EA	2
320	0	DDE N910105010011	N910105 010011	HEXAGONAL SCREW MBN 10105 - M10 X 40 - 10.9 DBL9440.4	EA	1

Ref	Product Level	Part Number	Alt Part Number	Description	UM	Qty
70	0	DDE EA4722300334		TURBINE WG Sup to: DDE EA4722300534	EA	1
70	0	DDE EA4722300534		TURBINE WG Sup to: DDE RA4722300534	EA	1
70	0	DDE EA4722300634		TURBINE WG Sup to: DDE EA4722300734	EA	1
70	0	DDE EA4722300734	DDE RA4722300734	TURBOCHARGER, DD15, EPA07, 14L FG, TC, HE800PT	EA	1
77	0	DDE A4720960180		METAL GASKET DD16 EPA07/EPA10/GHG17	EA	1
80	0	DDE A4729970245		O - RING - EGR LINE HDEP EPA07/EPA10/GHG17	EA	1
80	0	DDE A4729970945		O-RING - GENERAL PURPOSE	EA	1
90	0	DDE A4721870301		OIL RETURN PIPE DD16 EPA07/EPA10/GHG17	EA	1
100	0	DDE A4729971045		SEAL RING 20 X 6 - TURBO DD16 GHG14/GHG17	EA	1
110	0	DDE N910105010012		SCREW MBN 10105 - M10 X 65 - 10.9 DBL9440.40	EA	2
120	0	DDE N910105010044		SCREW MBN 10105 - C M10 X 90 - 10.9 DBL9440.4	EA	1
130	0	DDE A4722340540		BRACKET Sup to: DDE A4722340640	EA	1
140	0	DDE N910105010002		HEXAGONAL SCREW MBN 10105 - M10 X 50 - 10.9 DBL9440.4	EA	1
150	0	DDE N910105010006		SCREW MBN 10105 - M10 X 20 - 10.9 DBL9440.4	EA	1
150	0	DDE N910105010006		SCREW MBN 10105 - M10 X 20 - 10.9 DBL9440.4	EA	2
150	0	DDE N910105010001		HEXAGONAL SCREW MBN 10105 - M10 X 30 - 10.9 DBL9440.4	EA	3
203	0	DDE A4721300257		AIR LINE (obsolete-see item note)	EA	1
205	0	DDE A4721300457		AIR LINE (obsolete)	EA	1
205	0	A4721300557		COMPRESSED-AIR LINE	EA	1
207	0	DDE A4721300657		AIR LINE Sup to: DDE A4721300757	EA	1
207	0	DDE A4721300757		COMPRESSED AIR LINE - TURBO DD16 GHG14	EA	1
210	1	DDE N000000004895		HOLLOW SCREW N 15036 - A 4/5 DBL8451.16	EA	1
220	1	DDE N000000001066		SEAL RING DIN 7603 - A 8X14 - CU CU/SN12	EA	2
250	1	DDE N916016006201	A 000 429 54 44	CLAMP - HOLD-DOWN,EXHAUST MANIFOLD	EA	1
260	0	DDE N910105006004		HEXAGONAL SCREW MBN 10105 - M6 X 16 - 8.8 DBL9440.4	EA	1
265	0	DDE N910105008008		HEXAGONAL SCREW MBN 10105 - M8 X 16 - 10.9 DBL9440.4	EA	2





WATER TRUCK

Brothers HDD Inc
2002 23 Avenue
Wainwright, Alberta
T9W 0B8
780-214-7711

Maintenance Request / Report Form

Information

 400

 Cenovus RZ 2510-012

 Tuesday, November 4th 2025, 8:03 AM [MST -07:00]

Unit Information

Date:  November 4, 2025

Select Unit Number:  400

KMs:  14

Hours:  1

Please choose from list to identify if this is a request for Maintenance? Or if you are Reporting on maintenance completed.

☒ Maintenance Request - Request shop assistance in facilitating repairs.

Repairs Required

Description of Repairs Required [attach photos]:

 Hydraulic leak on water pump handle

CHECK HYD FILTER.
NFG ?!!

Serial/Part # if applicable:  ?

Urgency of Repairs:

Select priority level of repairs:

☒ Standard Priority - Required within 3-5 days

Location of repairs being completed:

Pick the location where the repairs were completed:

☒ Wainwright Shop

Requested by:

Worker Requesting Repairs:



Randy Zaiser

Signatures

Randy Zaiser, *Supervisor*



November 4th 2025, 8:03 AM (MST -07:00)



52.662975, -111.563597

A handwritten signature in black ink, appearing to be 'Randy Z'.



SAMI (WATER)

Brothers HDD Inc
2002 23 Avenue
Wainwright, Alberta
T9W 0B8
780-214-7711

Maintenance Request / Report Form

Information

 400

 Wallys DH 2508-004

 Saturday, September 6th 2025, 9:46 AM (MDT -06:00)

Unit Information

Date:  September 6, 2025

Select Unit Number:  400

KMs:  7904

Hours:  15342

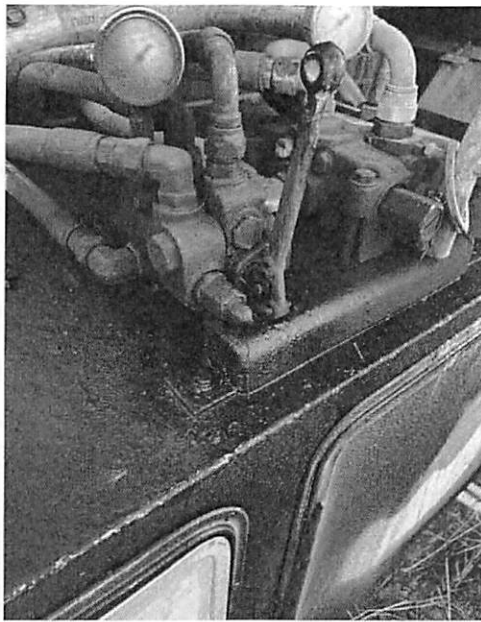
Please choose from list to identify if this is a request for Maintenance? Or if you are Reporting on maintenance completed.

☒ Maintenance Report - Field completion of maintenance.

Repairs Required

Description of Repairs Required (attach photos):

 Hole in fuel tank Leaking hydraulics



Serial/Part # if applicable:

☐ Do not know

Urgency of Repairs:

Select priority level of repairs:

☒ Low Priority - Repair at earliest convenience

Location of repairs being completed:

Pick the location where the repairs were completed:

☒ Field Repaired

Requested By:

Worker Requesting Repairs:

☒ Dale Hennig

Signatures

Dale Hennig, *Supervisor*

☒ September 6th 2025, 9:46 AM (MDT -06:00)

☒ 52.697634, -112.4486318







SEM (WATER TRUCK)

Brothers HDD Inc
2002 23 Avenue
Wainwright, Alberta
T9W 0B6
780-214-7711

Maintenance Request / Report Form

Information

 400

 BHDD Shop

 Tuesday, August 12th 2025, 12:17 PM (MDT -06:00)

Unit Information

Date:  August 12, 2025

Select Unit Number:  400

KMs:  7562

Hours:  15287

Please choose from list to identify if this is a request for Maintenance? Or if you are Reporting on maintenance completed.

☒ Maintenance Report - Field completion of maintenance.

Repairs Required

Description of Repairs Required (attach photos):

 Repaired exhaust

Serial/Part # if applicable:  No Response

Urgency of Repairs:

Select priority level of repairs:

☒ Critical - Immediate attention needed

Location of repairs being completed:

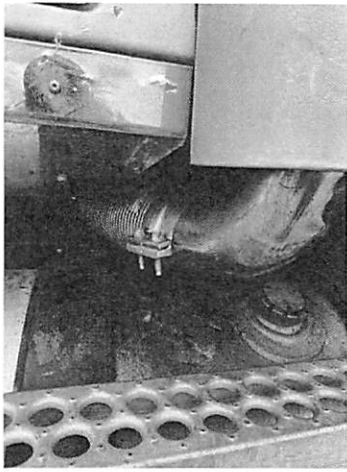
Pick the location where the repairs were completed:

☒ Field Repaired

Requested By:

Worker Requesting Repairs:  Luke Jacobsen

Additional Photos



Signatures

Luke Jacobsen, *Mechanic*

 August 12th 2025, 12:17 PM (MDT -06:00)

 52.7714023, -112.5096286





Brothers HDD Inc
2002 23 Avenue
Wainwright, Alberta
T9W 0B8
780-214-7711

SEMI (WATER TRUCK)

Maintenance Request / Report Form

Information

400

BHDD Shop

Monday, June 2nd 2025, 10:04 AM [MDT -06:00]

Unit Information

Date: May 22, 2025

Select Unit Number: 400

KMs: # 7226

Hours: # 15227

Please choose from list to identify if this is a request for Maintenance? Or if you are Reporting on maintenance completed.

☒ Maintenance Report - Field completion of maintenance.

Repairs Required

Description of Repairs Required (attach photos):

- Cvip, checkover, leaking wheel seals, fuel tank sending unit wire melted, engine oil leak, 4 tires dry rot and one gouged, hydraulic leak and valve bank
- replaced fuel filters and housing covers
- replaced air fitting for supply into firewall
- replaced rear axle front left wheel seal
- replaced both steer hub wheel seals
- installed summer exhaust
- adjusted exhaust clamp rubbing on fuel tank
- installed trailer air lines correctly
- Rear fenders cracked
- Support brackets under water tank cracked

Serial/Part # if applicable: No Response

Urgency of Repairs:

Select priority level or repairs:



Standard Priority - Required within 3-5 days

Location of repairs being completed:

Pick the location where the repairs were completed:



Wainwright Shop

Requested By:

Worker Requesting Repairs:



Luke Jacobsen

Signatures

Luke Jacobsen, *Mechanic*



June 2nd 2025, 10:04 AM [MDT -06:00]



52.8513759, -110.842123



MAINTENANCE WORK ORDER

N^o 3400

UNIT #: 400
ENGINE HOURS: 15146
MILEAGE: 5709
WORK LOCATION: Wauvright
WORK REQUESTED: _____

ORDER DATE: Mar 18 2025
COMPLETED DATE: Mar 24 2025
JOB #: _____

W.O. TYPE (Circle): PM CVIP Reactive

REPAIRS REQUIRED: pto cooler fan not working
Transmising hard shifting
Driver window regulator not working properly

TECH COMMENTS: Engine Oil filter/cooler having leaking oil. Power Steering line
leaking at cooler

LABOUR DESCRIPTION:

ENTERED
MAR 25 2025

HOURS

Reset Fuse for pto fan, test ran good
checked & adjusted clutch clearances, clutch brake appears
worn on one side.

Replaced driver window regulator assembly

Replaced power Steering cooler, Replaced power steering lines

LABOUR TOTAL

PARTS & MATERIALS

P.O. #	QUANTITY	PRICE	AMOUNT

PARTS & MATERIALS TOTAL

WORK AUTHORIZED BY: Ron WORK COMPLETED BY: Lee Jacobsen

UNIT RETURNED TO SERVICE: Mar 24 2025 OVERALL CONDITION OF UNIT: Good

ADDITIONAL COMMENTS: Ron test drive and verified transmission shifting normally

346

Nov 21 1952

Nov 21 1952

Received from Mr. J. H. ...
... for ...

Received from Mr. J. H. ...
... for ...

Received

Received from Mr. J. H. ...
... for ...

Received from Mr. J. H. ...
... for ...

Received from Mr. J. H. ...
... for ...

2
10

Nov 21 1952

Nov 21 1952

Received from Mr. J. H. ...
... for ...



MAINTENANCE WORK ORDER

Nº 3397

UNIT #: 400
ENGINE HOURS: 15139
MILEAGE: 5513
WORK LOCATION: Wainwright
WORK REQUESTED: _____

ORDER DATE: Mar 13 2025
COMPLETED DATE: Mar 14 2025
JOB #: _____

W.O. TYPE (Circle): PM CVIP Reactive

REPAIRS REQUIRED: For clutch. Service, check clutch adjustment

TECH COMMENTS: Engine Oil Filter housing leaking. Front power steering cooler line leaking at cooler.

ENTERED
MAR 13 2025
HOURS

LABOUR DESCRIPTION:

Removed fan, removed belt, removed fan clutch assembly.
Installed new fan clutch, torqued bolts, Test fan good
Changed engine oil & filter
Adjusted clutch

LABOUR TOTAL 8

PARTS & MATERIALS

P.O. #	QUANTITY	PRICE	AMOUNT
--------	----------	-------	--------

PARTS & MATERIALS TOTAL _____

WORK AUTHORIZED BY: Ron

WORK COMPLETED BY: Lee Jacobsen

UNIT RETURNED TO SERVICE: Mar 14 2025

OVERALL CONDITION OF UNIT: Good

ADDITIONAL COMMENTS: _____

7888

Mar 13 1952
Mar 14 1952

NOV
12 1951
2813
Mar 14

For citation. (Check date of citation)

2010 Oil Tank - 1000 Gallons
The following are the contents of the tank

EXHIBIT

Amount for 1000 Gallons of Oil
Amount for 1000 Gallons of Oil
Amount for 1000 Gallons of Oil

Amount for 1000 Gallons of Oil

Mar 14 1952
Mar 14 1952



Brothers HDD Inc
2002 23 Avenue
Wainwright, Alberta
T9W 0B8
780-214-7711

SEMI
RYAN

Maintenance Request Form

Information

400



Paramount RA Day - 2501-009



Sunday, February 2nd 2025, 1:58 PM (MST -07:00)

Unit Information

Date:



February 2, 2025

Select Unit Number:



400

KMs:

0 ? 3493

Hours:

0 ? - 14810

Repairs Required

Description of Repairs Required (attach photos):



- FOUND KINKED HOSE 5/8" WRAP AROUND INSIDE BOX HOSE @ CONNECTION
- 1) Water pump box does not get heat through coolant lines. Either do valves. Could be a pinch in coolant line maybe or blockage of some sort.
 - 2) the airline piece in first picture is missing because it blew causing major air loss. The second picture is just an example of the airline piece needed. It is located above the brake pedal TUESDAY AM FROM VELOCITY
 - 3) does not blow heat to windshield. Could be plugged filter DOOR ACTUATOR STICKING (TEMP FIX TO CHIP)
 - 4) transmission does not seem to go into or out of gear at times. Sometimes it gets stuck in gear and can't switch gears. It is the new transmission just put in. ???
 - 5) Webasto heater needs to be installed. The one in now does not work at all. REPLACED & TESTED X

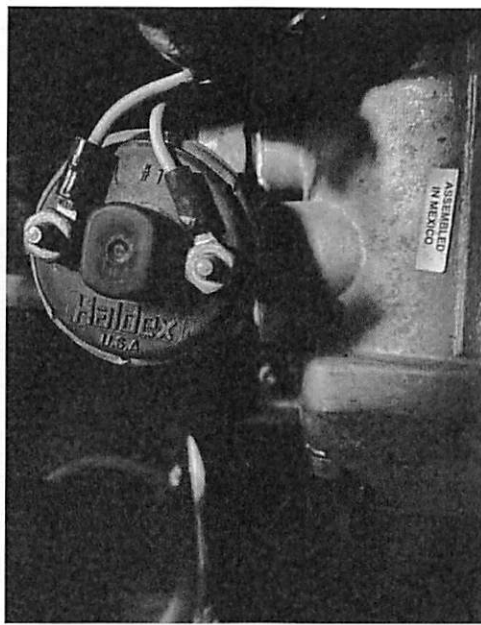
2x LABELS (HEATER / FAN IN PUMP BOX)

WASH

REPLACED 4 BATTERIES @ NISKU

- P.S COOLER / LINES

- DASH SWITCH FOR HYD COOLING FAN



Serial/Part # if applicable:

— No Response

Urgency of Repairs:

Select priority level of repairs:



Critical - Immediate attention needed



Truck leaves for work Wednesday after. Thursday morning latest.

Location of repairs being completed:

Pick the location where the repairs were completed:



Wainwright Shop

Requested By:

Worker Requesting Repairs:



Ryan Anderson

Signatures

Ryan Anderson, *Supervisor*



February 2nd 2025, 1:58 PM [MST -07:00]



52.9016548, -111.1209825



SEMI

MAINTENANCE REQUEST FORM

UNIT#

400

HRS/KM

DESCRIPTION OF REPAIRS REQUIRED

REPLACE ALL COOLANT LINES

(TANK)

ICE WRAP

REQUESTED BY:

DATE:

8:25



Yurry (Brothers) >

Today 8:20 AM



BUBBLE
WRAP
PROTECTOR
FOR HOSE
~~ALL~~
ALL HOSE

Need new wrap and
house protectors for 2"
house should work, may
need more coolant will
let you know later when
truck warm up



iMessage







MAINTENANCE WORK ORDER

N^o 3369

UNIT #: 400
ENGINE HOURS: 14810
MILEAGE: 3493 Km
WORK LOCATION: Wanwright
WORK REQUESTED: _____

ORDER DATE: Feb 3 2025
COMPLETED DATE: Feb 4 2025
JOB #: _____

W.O. TYPE (Circle): PM CVIP Reactive

REPAIRS REQUIRED: Webasto not working, water pump box not heating up
NO defrost air flow, Air switch on brake pedal missing

Transmission hard shifting

TECH COMMENTS: _____

LABOUR DESCRIPTION:	HOURS
<u>Took apart dash, Hvac vent actuator gets stuck when</u>	<u>10</u>
<u>switching from defrost to Face + feet air flow, Replaced webasto</u>	
<u>repaired wiring, test ran good, Installed 90° fitting for water</u>	
<u>pump box heater lines</u>	
<u>Installed air switch</u>	

LABOUR TOTAL 10

PARTS & MATERIALS	P.O. #	QUANTITY	PRICE	AMOUNT
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

PARTS & MATERIALS TOTAL _____

WORK AUTHORIZED BY: Ron WORK COMPLETED BY: Mike Jacobson

UNIT RETURNED TO SERVICE: Feb 4 2025 OVERALL CONDITION OF UNIT: Good

ADDITIONAL COMMENTS: _____



MAINTENANCE WORK ORDER

Nº 3089

UNIT #: 400

ENGINE HOURS: 14,678 HRS

MILEAGE: /

WORK LOCATION:

WORK REQUESTED:

ORDER DATE: DEC 28/2024

COMPLETED DATE: DEC 28/2024

JOB #:

W.O. TYPE (Circle): PM CVIP Reactive

REPAIRS REQUIRED:

TECH COMMENTS:

LABOUR DESCRIPTION:

HOURS

REPLACE OIL / OIL FILTER	3
REPLACE FUEL FILTERS	

ENTERED
FEB 01 2025

LABOUR TOTAL 3

PARTS & MATERIALS

P.O. #	QUANTITY	PRICE	AMOUNT
--------	----------	-------	--------

PARTS & MATERIALS TOTAL

WORK AUTHORIZED BY: RON JEROME

WORK COMPLETED BY: RYAN A / DRAGON L

UNIT RETURNED TO SERVICE: DEC 28/2024

OVERALL CONDITION OF UNIT: GOOD

ADDITIONAL COMMENTS:



Vehicle Sign-Out Sheet

Unit #: 400 Description: Water truck KMs: 115130

OK - Acceptable • Meets the requirements of good use/operating condition - no causes for concern
RA - Requires Attention • Requires attention ASAP, but does not present imminent danger or component/part failure. Can proceed to use and/or operate.
UA - Unacceptable • Requires immediate repair and/or correction - imminent danger or component/part failure could occur.
NOTE: Cannot proceed to use or operate without Management approval.
N/A - Not Applicable • Has no application on this day

Item	OK	RA	UA	N/A	Comments
Fluids (motor oil, windshield washer fluid, radiator, power steering)	✓				not sure on oil-consist's
Lights (Head lights, tail lights, signal lights, brake lights, hazard lights)	✓				
Glass condition (Cleaned, cracked, missing)	✓				
Fire extinguisher (Proper size, properly mounted, inspection current)	✓				needs changed
Housekeeping (Cab and box/bed clean and free of debris)	✓				
Gauges / Switches	✓				
GeoTab Installed and Functional	✓				
Back-up Alarm (if applicable)	✓				
Horn (Functioning and audible)	✓				
Positive Air shut-off (if applicable)	✓				
Tire Pressure	✓				
Brakes, Emergency Brakes	✓				
Spare Tire, Jack, Tire Iron				✓	
Load secured				✓	
First Aid Kit	✓				
Emergency Roadside Kt (Triangle, reflector/high visibility vest)	✓				
Oil Change Required?	✓				
Documentation: (Truck Binder; Insurance card, Registration, CAB card, Fitness Cert)	✓				
CVIP Required?	✓				
Base radio?	✓				
Body Damage? (Dents, scratches, cracks)					Back passenger side Baul Dent

Additional Items or Comments

Supervisor: Derek Lynch
Please Print Name

Date: May 22/24

Signature: _____

Management: Shane Mandel

Date: May 23/24

Signature: [Signature]



MAINTENANCE WORK ORDER

Nº 2707

UNIT #: 400

ENGINE HOURS: 13938

MILEAGE: 115130 KM

WORK LOCATION: Wainwright

WORK REQUESTED:

ORDER DATE: April 17/24

COMPLETED DATE: April 26/24

JOB #:

W.O. TYPE (Circle): PM CVIP Reactive

REPAIRS REQUIRED: oil change full service replaced brake

chamber replace slack adjuster

TECH COMMENTS:

LABOUR DESCRIPTION: HOURS

changed oil fuel, Air coolant filter

replaced brake pots CHASE 4

RON 2

LABOUR TOTAL 13

PARTS & MATERIALS

oil

oil filter

fuel filter

Air filter

slack adjuster

brake pots

exhaust stacks

pto seal

tires

WORK AUTHORIZED BY: cory

UNIT RETURNED TO SERVICE: VLS

ADDITIONAL COMMENTS:

P.O. # QUANTITY PRICE AMOUNT

40 L

1

2

2

1

6

2

PARTS & MATERIALS TOTAL

WORK COMPLETED BY: CHASE

OVERALL CONDITION OF UNIT: good



MAINTENANCE WORK ORDER

Nº 2018

UNIT #: 400
ENGINE HOURS: 113756
MILEAGE: 134389
WORK LOCATION: GP Field south H 40
WORK REQUESTED:

ORDER DATE: Feb 20 2024
COMPLETED DATE:
JOB #:

W.O. TYPE (Circle): PM CVIP Reactive

REPAIRS REQUIRED: Engine Idlers making noise - All Idlers need Replacing
Bowie Box heater dose not work - Found Broken Fan

one Installed Tensioner Started Pin heat Found
Water Pump to be leaking

TECH COMMENTS:

LABOUR DESCRIPTION:

HOURS

Bowie Box heater has a Broken Fan.
Idlers for the AC/AC worn ordered new
Change water pump
Ex Cooling Fan
Add 2 pails Hyd oil

LABOUR TOTAL

12

PARTS & MATERIALS

P.O. #	QUANTITY	PRICE	AMOUNT
--------	----------	-------	--------

Tensioner	1		
2 idlers	2		
2 Belts	2		
water pump	1		
Anti freeze	8L		

PARTS & MATERIALS TOTAL

WORK AUTHORIZED BY: CarlyWORK COMPLETED BY: CompUNIT RETURNED TO SERVICE: yes

OVERALL CONDITION OF UNIT:

ADDITIONAL COMMENTS:

* Flood is starting to fall apart
#16 ORB Ports on valve Bank



MAINTENANCE WORK ORDER

Nº 2010

UNIT #: 400
ENGINE HOURS: 13177.6
MILEAGE: 113309
WORK LOCATION: Wanawon
WORK REQUESTED: _____

ORDER DATE: Jan 18 24
COMPLETED DATE: Jan 18 24
JOB #: _____

W.O. TYPE (Circle): PM CVIP Reactive

REPAIRS REQUIRED: small hydraulic leak at the
Boave pump valve Bank.

TECH COMMENTS: _____

LABOUR DESCRIPTION:	HOURS
<u>Charged O Ring</u>	<u>2</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

LABOUR TOTAL 2

PARTS & MATERIALS	P.O. #	QUANTITY	PRICE	AMOUNT
<u>O Ring</u>	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

PARTS & MATERIALS TOTAL _____

WORK AUTHORIZED BY: Carl WORK COMPLETED BY: Carl

UNIT RETURNED TO SERVICE: Yes. OVERALL CONDITION OF UNIT: _____

ADDITIONAL COMMENTS: will probably need a new valve segment.



MAINTENANCE WORK ORDER

N^o 1741

UNIT #: 400

ENGINE HOURS: 7 FEB 6/2024

MILEAGE: 113304 KM

WORK LOCATION: Wainwright Shop

WORK REQUESTED:

ORDER DATE: DEC/22/23

COMPLETED DATE: DEC/22/23

JOB #:

W.O. TYPE (Circle): PM CVIP Reactive

REPAIRS REQUIRED: fix leak for water pump oil change

grease

TECH COMMENTS:

LABOUR DESCRIPTION: fix leak oil change greased

HOURS

3

LABOUR TOTAL 3

PARTS & MATERIALS

	P.O. #	QUANTITY	PRICE	AMOUNT
oil	SHOP	1		
oil filter	SHOP	42 L		
o ring	SHOP	1		

PARTS & MATERIALS TOTAL

WORK AUTHORIZED BY: chase

WORK COMPLETED BY: chase

UNIT RETURNED TO SERVICE: yes

OVERALL CONDITION OF UNIT: good

ADDITIONAL COMMENTS:

ENTERED



UNIT #: 400
ENGINE HOURS: 12943.4
MILEAGE: 112263.5
WORK LOCATION: Wainwright
WORK REQUESTED:

ORDER DATE: DEC/20/23
COMPLETED DATE: DEC/23/23
JOB #:

W.O. TYPE (Circle): PM CVIP Reactive

REPAIRS REQUIRED: ~~fix~~ replace passenger turn light
100k oil leak fix if can
fixed leak

TECH COMMENTS:

LABOUR DESCRIPTION: fixed light changed oil fixed one oil leak
greased put new hose clamps on to try and stop oil leak
put new oring on valve and fixed oil leak

HOURS

RON JEROME

REPAIR GPS SYSTEM

LABOUR TOTAL

PARTS & MATERIALS

new light ^{copy} ordered
it don't know the PO
oil
oil filter
~~GPS module & wire harness~~
GPS MODULE & WIRE HARNESS

P.O. # QUANTITY PRICE AMOUNT

PARTS & MATERIALS TOTAL

WORK AUTHORIZED BY: ~~yes~~ chase

WORK COMPLETED BY: chase

UNIT RETURNED TO SERVICE: yes

OVERALL CONDITION OF UNIT: good

ADDITIONAL COMMENTS:



MAINTENANCE WORK ORDER

N^o 1699

UNIT #: 400
ENGINE HOURS: 11999
MILEAGE: 34999 mi
WORK LOCATION: Shop
WORK REQUESTED: _____

ORDER DATE: Oct 5 2023
COMPLETED DATE: Oct 3 2023
JOB #: _____

W.O. TYPE (Circle): PM CVIP Reactive

REPAIRS REQUIRED: No High Beam

TECH COMMENTS: _____

LABOUR DESCRIPTION:	HOURS
<u>Charge High Beam Head light.</u>	<u>1/2</u>
<u>Passenger side</u>	

LABOUR TOTAL 1/2

PARTS & MATERIALS	P.O. #	QUANTITY	PRICE	AMOUNT
<u>High Beam Head light.</u>		<u>1</u>		
<u>Stack.</u>				

PARTS & MATERIALS TOTAL _____

WORK AUTHORIZED BY: Con R WORK COMPLETED BY: Con R

UNIT RETURNED TO SERVICE: _____ OVERALL CONDITION OF UNIT: OK

ADDITIONAL COMMENTS: _____



MAINTENANCE WORK ORDER

N^o 1654

UNIT #: 400
ENGINE HOURS: 112 73
MILEAGE: 34095
WORK LOCATION: Edson
WORK REQUESTED: _____

ORDER DATE: Jan 22 23
COMPLETED DATE: Jan 22 23
JOB #: _____

W.O. TYPE (Circle): PM CVIP Reactive

REPAIRS REQUIRED: Replaced Fan hub Assembly with a
used one to get the unit to sight
Replaced hub with new one

TECH COMMENTS: _____

LABOUR DESCRIPTION:	HOURS
<u>Rn R Fan hub</u>	<u>2</u>

LABOUR TOTAL 2

PARTS & MATERIALS	P.O. #	QUANTITY	PRICE	AMOUNT
<u>Fan Hub Western star</u>	<u>Cash</u>			

PARTS & MATERIALS TOTAL _____

WORK AUTHORIZED BY: Con R WORK COMPLETED BY: Con R

UNIT RETURNED TO SERVICE: Jan 22 23 OVERALL CONDITION OF UNIT: Good

ADDITIONAL COMMENTS: _____



MAINTENANCE WORK ORDER

N^o 1043

UNIT #: 400
ENGINE HOURS: _____
MILEAGE: 96989 KM
WORK LOCATION: _____
WORK REQUESTED: _____

ORDER DATE: JAN 21/2023
COMPLETED DATE: FEB 9/2023
JOB #: _____

W.O. TYPE (Circle): PM CVIP Reactive

REPAIRS REQUIRED: _____

TECH COMMENTS: _____

LABOUR DESCRIPTION:	HOURS
- HELP WITH FAN CLUTCH HUB ASSEMBLY DISMANTLE (RON)	1
- HELP WITH FRONT DIFF REMOVAL (RON)	3
- HELP COMPLETE REPAIRS (INSTALL FRONT DIFF) (RON)	2
_____	_____
_____	_____
_____	_____

LABOUR TOTAL 6

PARTS & MATERIALS	P.O. #	QUANTITY	PRICE	AMOUNT
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

PARTS & MATERIALS TOTAL _____

WORK AUTHORIZED BY: COBY R WORK COMPLETED BY: COBY R / RON J

UNIT RETURNED TO SERVICE: _____ OVERALL CONDITION OF UNIT: _____

ADDITIONAL COMMENTS: _____



MAINTENANCE REQUEST FORM

UNIT# 400

HRS/KM

DESCRIPTION OF REPAIRS REQUIRED

- WINTER EXHAUST

*CONFIRM WINTERIZED WITH 28

1/2 PARK @ GLOBAL

REQUESTED BY:

DATE:



MAINTENANCE WORK ORDER

Nº 1610

UNIT #: 400
ENGINE HOURS: _____
MILEAGE: _____
WORK LOCATION: _____
WORK REQUESTED: _____

ORDER DATE: Dec 20, 2022
COMPLETED DATE: Feb
JOB #: _____

W.O. TYPE (Circle): PM CVIP Reactive

REPAIRS REQUIRED: _____
_____ Webasto
_____ Wiper Nozzle
_____ Oil Change
_____ Tires - Nothing wrong with Tires

TECH COMMENTS: _____

LABOUR DESCRIPTION:	HOURS
<u>re-wind webasto and installed rebuild.</u>	_____
<u>Change wiper nozzles</u>	_____
<u>Change front diff.</u>	_____
<u>1810 U joint</u>	_____
<u>30/30 Brake Pat.</u>	_____
_____	_____
_____	_____

LABOUR TOTAL _____

PARTS & MATERIALS	P.O. #	QUANTITY	PRICE	AMOUNT
<u>front Diff</u>			<u>\$6100.00</u>	
<u>U joint silicone</u>	<u>Bumper to Bumper</u>	<u>2713</u>	<u>303.18</u>	
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

PARTS & MATERIALS TOTAL _____

WORK AUTHORIZED BY: Shyne WORK COMPLETED BY: _____

UNIT RETURNED TO SERVICE: _____ OVERALL CONDITION OF UNIT: _____

ADDITIONAL COMMENTS: _____

WAINWRIGHT

1801 - 14 Avenue, Wainwright, AB T9W 1T9
Ph: 780-842-4307 Fax: 780-842-5944

VIKING

5107 - 50 Street, Viking, AB T0B 4N0
Ph: 780-336-4730 Fax: 780-336-3450

Page 1/1

G.S.T. REG. NO. 105570139 RT

MERCHANDISE RETURNED IS SUBJECT TO A RE-STOCKING CHARGE OF 15% - ALL MERCHANDISE REMAINS THE PROPERTY OF VENDOR UNTIL FULLY PAID FOR.

% PER MTH

24

% PER ANNUM ON OVERDUE ACCOUNT

ADMINISTRATION CHARGES

SOLD TO

BROTHERS HDD INC.
2002 23 Avenue

SHIP TO

WAINWRIGHT ALBERTA
T9W 1L2

SAME

DELIVERY		ORDER		CUSTOMER	TELEPHONE	PAYMENT	INVOICE			
		2713		2665	(780) 875-8845	CHARGE	1 - 4562556			
		SLMS	CLERK	GST		CONDITIONS	DATE			
		1	LLOYD	EXEMPT			NET/30	06/02/2023		
QTY ORD.	QTY SHIP	★ LINE	PART NUMBER	DESCRIPTION		LIST	NET	%	EXTENSION	TAX F P
1	1	SCR	5281X	U-JOINT 1810 FULL RND		215.78	154.28		154.28	F
1	1	GDX	GD3030WC	3030 SPRING BRAKE W/		108.95	84.82		84.82	F
1	1	ANS	92-600-10	DISP. NITRILE GLOVES- X		29.66	21.30		21.30	F
			Product ANL - 92-600-10							
			Replaced By ANS - 92-600-10							
2	2	PML	59313	BLUE GASKET MAKER 6C		22.04	14.17		28.34	F
PICKED BY					SUB TOTAL	GST			TOTAL	
					288.74	14.44	0.00		303.18	

TERMS: NET 30 DAYS.
2% PER MONTH (24% PER ANNUM) CHARGED ON
OVERDUE ACCOUNTS.

ALL RETURNS MUST BE ACCOMPANIED BY THIS INVOICE.

12:39:59 PM

CUSTOMER