Print Date: 2015.01.29 at 07:57:11 CST

PIN

: DW772DX612926

SPINK COUNTY HIGHWAY DEPT

1518 E 7TH AVE

REDFIELD SD US 574691815

Home

Business

:

Delivery Date

Purchase Type

End Use Code

Customer Number

: 14 May 2007

: HIGHWAYS & STREETS

: 303885125

: COUNTY

Cell

: US6054720828

Selling Dealer

: 178711-RDO CONSTRUCTION EQ CO MW, BURNSVILLE, MN

Responsible Dealer

: 178716-RDO CONSTRUCTION EQ CO MW, ABERDEEN, SD

Model

: 772D

Description

: 772D MOTOR GRADER

Model Year: 2006

Latest Delivery Date

Machine Build Date

: 14 May 2007

: 19 Apr 2007

Last Reported Registration

: 4224

Measurement

Last Reported Claim

Measurement

: 5398

Approximate

Cumulative Rental

: N/A

Days*

Machine status 1

: Used Machine

*See John Deere Warranty System for accumulated rental days/detailed rental history

Warranty Coverage

Warranty type	Coverage term	Expiration Date	Days Remaining (may be estimate)
Basic Warranty	6m/0h	15 Nov 2007	0
StructurALL	36m/10000h	14 May 2010	0
Emissions Warranty	60m/3000h	15 May 2012	0
Extended Warranty (Comprehensive)	84m/8000h	14 May 2014	0

Component Serial Numbers

Component	Serial Number
PUMP, HYD. VARIABLE DISPLACEMENT	SA071203839
GEAR BOX	151170
VALVE, CONTROL, ASSEMBLY	K561
ENGINE CONTROLLER	103147
SEAT, OPERATOR	S5037761
CANOPY	733
PUMP, HYDRO VARIABLE DISPLACEMENT, FRONT	S0107000454
PROPEL DRIVE, RIGHT	CEHDFWB100279
TRANSMISSION	YZTF18C063470
HFWD CONTROLLER	5100229
ROPS, WITH OPERATOR ENCLOSURE	MA370
TRANSMISSION, CONTROLLER	520547
 SHIFTER	102839
ENGINE (DEERE MANUFACTURED)	RG6081H297756
VALVE, STEERING	ADR305
PROPEL DRIVE, LEFT	CEHDFWA151296
AXLE	PEAG251237630
VALVE, HYD MECHANICALLY OPERATED	G437

PUMP, HYDRO VARIABLE DISPLACEMENT, REAR

S0107000400

AIR CONDITIONER

498899

MONITOR

600411

Order BASE / Option Codes

Code	Component	Invoice / Transfer Date
9060T2060	14FT MOLDBOARD W/8IN EDGE	20 Apr 2007
9060T2120	BLADE WEAR INSTS-STD DUTY	20 Apr 2007
9060T2220	CRCLE INSRT-NYLON-S.D. NO CL	20 Apr 2007
9060T4420	14R24 SNOW G2 RADIAL TIRE	20 Apr 2007
9060T5020	LOW CAB W FIXED WINDOWS	20 Apr 2007
9060T5520	NO AUTO SHIFT TRANSMISSION	20 Apr 2007
9060T6030	NO PRECLEANER OPTION	20 Apr 2007
9060T6120	DELUXE CLOTH SEAT/AIR SUSPEN	20 Apr 2007
9060T6540	RH 7F CONT VLVE(4+3 AUX)	20 Apr 2007
9060T6620	LH 5F CONT VLVE(4+1 AUX)	20 Apr 2007
9060T7160	DEL LGHT PKG(LED)-SNOW PLOW	20 Apr 2007
9060T7520	1400CCA BATTERIES	20 Apr 2007
9060T9001	10 X 24 MULTI PIECE RIMS	20 Apr 2007
9060T9004	HFWD NARROW FRONT FENDER	20 Apr 2007
9060T9007	ROTARY EJECTOR PRECLEANER	20 Apr 2007
9060T9020	8" OVRLY END BITS,REVERSIBLE	20 Apr 2007
9060T9030	24"LH MOLDBOARD EXTENSION	20 Apr 2007

Machine Details

9060T9140	WIPER-LOWER FRONT WINDOW	20 Apr 2007
9060T9160	RADIO AM/FM/WB	20 Apr 2007
9060T9190	30 AMP CONVERTER 24V TO 12V	20 Apr 2007
9060T9210	PEDAL DECELERATOR	20 Apr 2007
9060T9270	SNOW LIGHT BRACKET	20 Apr 2007
9060T9280	SLOW MOVING VEHICLE EMBLEM	20 Apr 2007
9060T9290	BEACON BRACKET	20 Apr 2007
9060T9360	ENGINE HEATER COOLANT (110V)	20 Apr 2007
9060T9370	ETHER START AID	20 Apr 2007
9060T9510	REAR HITCH AND PIN	20 Apr 2007
9060T9545	TRANS SOLENOID VALVE GUARDS	20 Apr 2007
9060T9620	HYDRAULIC VALVE COVERS	20 Apr 2007
	e a least te m	3.8 8 8

Customer History

Cell

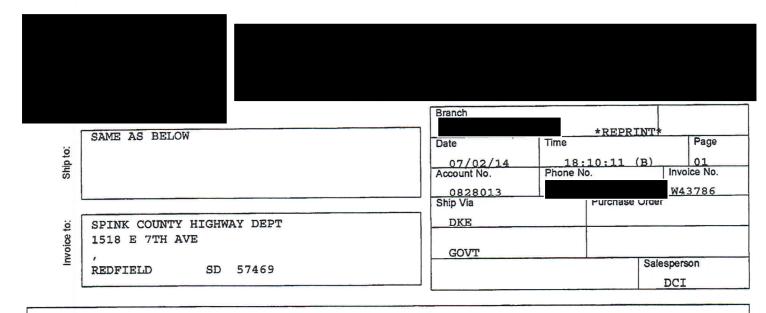
Customer 1 of 1

SPINK COUNTY HIGHWAY DEPT	Customer Number	•	303885125
1518 E 7TH AVE	Purchase Type	:	COUNTY
REDFIELD SD US 574691815	End Use Code	:	HIGHWAYS & STREETS

Home	:	Delivery Date	: 14 May 2007

Business	: US6054720828
business	: 056054720828

Selling Dealer	. 178711-RDO CONSTRUCTION EQ CO MW,BURNSVILLE,MN
	17071C DDG CONCTRUCTION TO CO



SERVICE INVOICE

STK#/FLEET#

MOTOR GRADERS

HRS PIN/EIN WARRANTY DATE 11/15/07

HRS 9999

X079444 772D

5494 DW772DX612926 RG6081H297756

06/25/14 06/25/14 07/16/14

05/14/14

8000 X

REPAIR# 1 C JWR01 STT-25

TRAVEL, ROUND TRIP

1.11 HRS

חח ששם

CONDITION:

FAN DRIVE BEARING HAS FAILED

PARTS AND SERVICE WARRANTY FROM W35471

CORRECTION:

Travel to and from machine location.

LABOR

47.96

536030AB

REPAIR TOTAL==>

47.96

REPAIR# 3 C JWR01 10-050-121 06/25/14 06/26/14 07/16/14

FAN DRIVESHAFT, R&R

CONDITION:

BEARING HAS FAILED

CAUSE:

Fan drive bearing failed.

CORRECTION:

-Removed belt.

-Remvoed pulley.

-Removed fan drive shaft from hub.

-Removed hub from machine.

-Disassembled hub.

-Cleaned hub and assembled with new bearing and retainers.

-Installed hub, drive shaft, pulley, and belt.

-Ran engine.

AE53905 BEARING 46.21 1 46.21 FRTIN SHIP/HANDLING 1 10.00 10.00 T231645 ADJUSTER NUT 1 N 28.52 28.52 T24513 RING 5.91 1 N 5.91 PARTS 90.64

CONTINUED ON PAGE 02

Stocked parts can be returned within 30 days with copy of invoice. Special SIGNATURE order parts \$20.00 and up may be returned within 30 days with copy of involce. 20% restock charge will apply to all special order parts. All sales are final on special order non-returnable parts. All parts must be new, uninstalled and in original packaging. No returns on electrical components. No refunds on freight charges.

EQUIPMENT CO. Branch *REPRINT SAME AS BELOW Page Date Time 05/23/14 17:54:44 (B) Invoice No. Phone No. Account No. W42416 0828013 Ship Via W99/EE4 SPINK COUNTY HIGHWAY DEPT 1518 E 7TH AVE GOVT Salesperson REDFIELD SD 57469 DKE SERVICE INVOICE WARRANTY DATE HRS PIN/EIN STK#/FLEET# HRS 9999 11/15/07 X079444 MOTOR GRADERS 5398 DW772DX612926 8000 X 05/14/14 RG6081H297756 772D REPAIR# 1 C BV301 RDO-050-DIAG 04/16/14 04/17/14 04/30/14 5.10 HRS POWER TRAIN DIAGNOSTICS CONDITION: Extended Warranty - 8,000 - X (Expires: 05/14/2014) Check Hubs Also Willie 460-0859 -High levels of metal indicated in last two oil samples. CAUSE: Bearing failure in differential. er e tradición estado CORRECTION: -Remove drain plug, small amount of metal filings were present on drain plug. -Ordered parts to repair differential. Had to wash machine in order to perform repairs -Remove panels, take machine to wash bay and steam clean engine and transmission areas. -Clean wash bay. 550.80 LABOR 550.80 REPAIR TOTAL ==> 10403099 10501051 REPAIR# 2 C BV301 00201A093 04/16/14 04/17/14 04/30/14 FINAL DRIVE SEALANT APPLICATION (FINAL DRIVE TO DIFF.) REPLA 68.00 HRS CONDITION: Differential bearing failure. Pinion shaft input bearings have failed.

Drain tandems, differential.

CORRECTION:

CONTINUED ON PAGE 02

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	EQUIPMENT CO.	Branch		
to:	SAME AS BELOW	Date	Time	Page
Ship to:		05/23/14 Account No.	17:54:44 (B	lnvoice No
		0828013		W42416
ď		Ship Via	Purchase On	
to:	SPINK COUNTY HIGHWAY DEPT	W99/EE4		
Invoice to:	1518 E 7TH AVE			
N I		GOVT	Is	alesperson
-	REDFIELD SD 57469		S	DKE

SERVICE INVOICE

STK#/FLEET#

X079444

MOTOR GRADERS

HRS PIN/EIN 5398

DW772DX612926

WARRANTY DATE 11/15/07

HRS 9999

772D

RG6081H297756

05/14/14

8000 X

Lift rear of machine, support on stands.

Remove wheels, tandems.

Disconnect all lines to differential.

Remove differential.

Disassemble and inspect for failure.

Found pinion shaft bearings had failed.

Bearing RE49486 was (30) worn severely.

Clean components.

Repair components back to new specification, Input pinion,

right and left planetaries, right and left pivot housings,

and differential.

Complete assembly of differential, pressure test brakes,

differential lock, and air test complete assembly for leaks.

All tests passed.

Install differential to chassis.

Connect all lines, wire harness, and drive shaft

Flush diff.

Install tandems and tires.

Remove stands.

Operate machine, verify differential temps.

Inspect for any leaks, was dry. Turn in parts for

warrenty.

ADDITIONAL DESCRIPTION:

Key Part: JD8272

General Repair (Fail) Area: DIFFERENTIAL

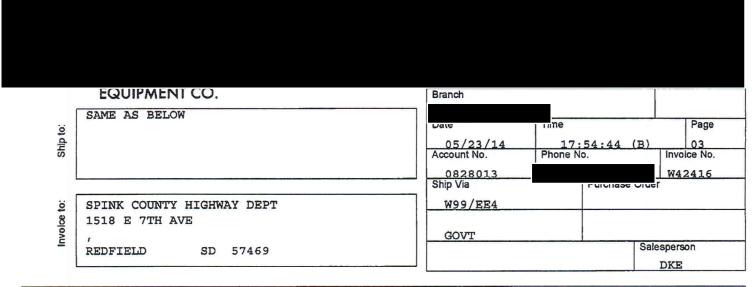
Failure Type Code: 30 DTAC Case / Solution #:

Labor Hours: 63.62 Diagnostic Hours: 5.10

Cleanup Hours:

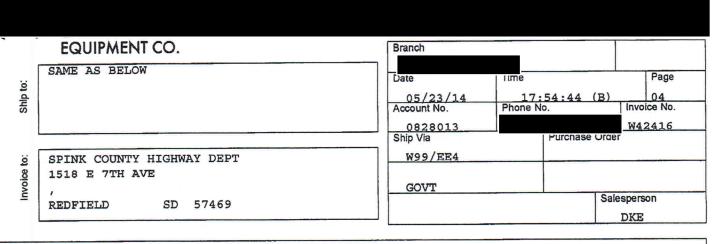
CONTINUED ON PAGE 03

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			5	SER	VICE INVOICE	E			
STK#/FLEET#		HRS	PIN	I/E	IN	WARRANTY DATE	I	irs	
X079444	MOTOR GRADERS	5398	DW7	772	DX612926	11/15/07		99	
	772D		RG	808	1H297756	05/14/14	80	000 X	E
				==					
AR40418	HOSE CLAMP		1		2.33	2.33			
AR75527	SEAL		2		30.16	60.32			
AT191095	PUMP		1	N	816.76	816.76			
AT306605	HYDRAULIC		1		78.28	78.28			
A4365R	O-RING		2		.87	1.74			
A4540R	O-RING		1		4.73	4.73			
F3171R	O-RING		9		2.31	20.79			
JD8159	BEARING CO		1		39.81	39.81			
JD8210	BEARING CU		1		19.25	19.25			
JD8255	BEARING CU		1		28.31	28.31			
JD8272	BEARING CU			S	39.43	157.72			
JD8989	BEARING CO		4	S	72.15	288.60			
JD9078	BEARING CO		1		42.07	42.07			
JD9156	BEARING CU		1	S	40.18	40.18			
JD9601	BEARING CO		. 1	S	71.94	71.94			
L0034-094	105 LUBE		1	11	9.55	9.55	2)		
PM38657	FORM-GASKE		4		18.92	75.68	CAST		
P42061	O-RING		1	113	1.28	1.28	3		
RE45315	SEAL KIT		1	,	70.31	70.31	20 Pr. 1		
RE49486	TAPERED RO		1		272.55	272.55			
RE52702	CLAMP		2		11.95	23.90			
RE53823	DISK		1	N	39.91	39.91			
RE65008	BRAKE DISK		10		141.94	1419.40			
R112079	THRUST WAS		12		19.71	236.52			
R116214	SCREW		12	N	2.68	32.16			
R120194	BOLT		12		2.68	32.16			
R150895	PLATE		12		116.84	1402.08			
R151088	O-RING		1	3	3.51	3.51			
R26287	O-RING O-RING		1		1.04	1.04			
R26448	O-RING O-RING		4		1.51	6.04			
N20440	O-KING		4		1.31		מאמת	0.4	
						CONTINUED ON	PAGE	U4	

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			SE	RVICE INVOIC	E		
TK#/FLEET#		HRS	PIN/	EIN	WARRANTY DATE	HRS	
079444	MOTOR GRADERS	5398	DW77	2DX612926	11/15/07	9999	
	772D		RG60	81H297756	05/14/14	8000	X
R26906	O-RING		1	2.27	2.27		
R28782	O-RING		2	1.25	2.50		
R29936	O-RING		1	3.24	3.24		
R34513	RING		2 S	8.72	17.44		
R34857	CLUTCH PLA		1 S	40.76	40.76		
R34858	CLUTCH PLA		5 S	41.79	208.95		
R35365	SHIM		2	2.09	4.18		
R35367	SHIM		3	3.26	9.78		
R375R	O-RING		2	1.18	2.36		
R48776	NUT		1	11.38	11.38		
R51196	SHIM		3	1.94	5.82		
R51197	SHIM		3	2.21	6.63		
R51198	SHIM		3 1 1	2.32	2.32		
R51199	SHIM			2.64	2.64		
R52389	SHIM		1	5.09	5.09		
R59460	THRUST WAS		4	6.33	25.32	*	
R60038	PACKING		2	1.75	3.50	<i>?)</i>	
R63575	NEEDLE ROL		288 S	1.54	443.52	rite.	
R70112	THRUST WAS		4	3.75	15.00		*
R70113	THRUST WAS		4 S	1.51	6.04		
R70115	NEEDLE ROL		104 S	.34	35.36		
R78065	SOCKET CON		2	1.22	2.44		
R93623	THRUST WAS		2	23.02	46.04		
R95116	PISTON		1 S	67.01	67.01		
TY22465	HOSE CLAMP		2	.96	1.92		
TY22467	CLAMP		2	.96	1.92		
TY22473	CLAMP		1	1.16	1.16		
TY22562	BULK HOSE		1	.20	.20		
TY22563	BULK HOSE		2	.30	.60		
TY24415	BULK HOSE		4	1.97	7.88		
T157952	SNAP RING		6 N	18.04	108.24		
					CONTINUED ON	PAGE 05	

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invoice date or in accordance with the terms of your account agreement. Please refer to your finance agreement for details.

EQUIPMENT CO. Branch SAME AS BELOW Page Date Ship to: 17:54:44 (B) Phone No. Account No. Invoice No. 0828013 Ship Via W42416 Fulchase Order SPINK COUNTY HIGHWAY DEPT W99/EE4 ö Invoice 1518 E 7TH AVE GOVT Salesperson SD 57469 REDFIELD DKE

SERVICE INVOICE

MOTOR GRADERS 5398 DW772DX612926 11/15/07 9999 772D RG6081H297756 05/14/14 8000 X 7158511 GASKET	STK#/FLEET#		HRS	PIN/EI	N	WARRANTY DATE	HRS
T158511 GASKET 1 N 5.09 5.09 T158580 O-RING 4 20.43 81.72 T160541 O-RING 1 N 6.43 6.43 T205818 RADIATOR H 1 56.61 56.61 T215515 WEAR RING 4 100.07 400.28 T215516 THRUST WASHER 12 19.70 236.40 T217194 HOSE 1 N 79.84 79.84 T41677 O-RING 1 6.73 6.73 U12547 O-RING 1 1.63 1.63 U17409 O-RING 7 3.24 22.68 YZ120167 WASHER 1 2.54 2.54 YZ120398 COMPRESSION SPR 3 N 1.71 5.13 YZ120442 HOUSING 1 N 658.70 658.70 YZ121809 Clutch Disk 4 N 39.91 159.64 YZ123334 Seal 2 12.19 24.38 O7485 SURFACE COND 6 3.41 20.46 I1M7032 COTTER PIN 1 .41 .41 19H2668 CAP SCREW 8 2.30 18.40 19M7417 CAP SCREW 8 2.30 18.40 19M7417 CAP SCREW 24 N 7.48 179.52 24M7338 WASHER 2 1.63 3.26 57M7534 ELEC. CONN 1 2.36 2.36 57M7534 ELEC. CONN 1 2.36 2.36 57M7620 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96	X079444	MOTOR GRADERS	5398	DW772D	X612926	11/15/07	9999
T158580 O-RING 4 20.43 81.72 T160541 O-RING 1 N 6.43 6.43 T205818 RADIATOR H 1 56.61 56.61 T215515 WEAR RING 4 100.07 400.28 T215516 THRUST WASHER 12 19.70 236.40 T217194 HOSE 1 N 79.84 79.84 T41677 O-RING 1 6.73 6.73 U12547 O-RING 1 1.63 1.63 U17409 O-RING 7 3.24 22.68 YZ120167 WASHER 1 2.54 2.54 YZ120398 COMPRESSION SPR 3 N 1.71 5.13 YZ120442 HOUSING 1 N 658.70 658.70 YZ121809 Clutch Disk 4 N 39.91 159.64 YZ123334 Seal 2 12.19 24.38 07485 SURFACE COND 6 3.41 20.46 11M7032 COTTER PIN 1 .41 .41 19H2668 CAP SCREW 8 2.30 18.40 19M7417 CAP SCREW 32 S 3.16 101.12 19M8190 CAP SCREW 32 S 3.16 101.12 19M8190 CAP SCREW 24 N 7.48 179.52 24M7338 WASHER 2 1.63 3.26 57M7534 ELEC. CONN 1 2.36 2.36 57M7534 ELEC. CONN 1 2.36 2.36 57M7534 ELEC. CONN 1 2.36 2.36 57M7534 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96		772D		RG6081	H297756	05/14/14	8000 X
T160541 O-RING 1 N 6.43 6.43 T205818 RADIATOR H 1 56.61 56.61 T215515 WEAR RING 4 100.07 400.28 T215516 THRUST WASHER 12 19.70 236.40 T217194 HOSE 1 N 79.84 79.84 T41677 O-RING 1 6.73 6.73 U12547 O-RING 1 1.63 1.63 U17409 O-RING 7 3.24 22.68 YZ120167 WASHER 1 2.54 2.54 YZ120398 COMPRESSION SPR 3 N 1.71 5.13 YZ120442 HOUSING 1 N 658.70 658.70 YZ121809 Clutch Disk 4 N 39.91 159.64 YZ123334 Seal 2 12.19 24.38 07485 SURFACE COND 6 3.41 20.46 11M7032 COTTER PIN 1 .41 .41 19H2668 CAP SCREW 8 2.30 18.40 19M7417 CAP SCREW 32 S 3.16 101.12 19M8190 CAP SCREW 24 N 7.48 179.52 24M7338 WASHER 2 1.63 3.26 57M7534 ELEC. CONN 1 2.36 2.36 57M7620 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96	T158511	GASKET		1 N	5.09	5.09	
T205818 RADIATOR H 1 56.61 56.61 T215515 WEAR RING 4 100.07 400.28 T215516 THRUST WASHER 12 19.70 236.40 T217194 HOSE 1 N 79.84 79.84 T41677 O-RING 1 6.73 6.73 U12547 O-RING 1 1.63 1.63 U17409 O-RING 7 3.24 22.68 YZ120167 WASHER 1 2.54 2.54 YZ120398 COMPRESSION SPR 3 N 1.71 5.13 YZ120442 HOUSING 1 N 658.70 658.70 YZ121809 Clutch Disk 4 N 39.91 159.64 YZ123334 Seal 2 12.19 24.38 07485 SURFACE COND 6 3.41 20.46 11M7032 COTTER PIN 1 .41 .41 19H2668 CAP SCREW 8 2.30 18.40 19M7417 CAP SCREW 32 S 3.16 101.12 19M8190 CAP SCREW 24 N 7.48 179.52 24M7338 WASHER 2 1.63 3.26 57M7534 ELEC. CONN 1 2.36 2.36 57M7534 ELEC. CONN 1 2.36 2.36 57M7620 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96	T158580	O-RING		4	20.43	81.72	
T215515 WEAR RING 4 100.07 400.28 T215516 THRUST WASHER 12 19.70 236.40 T217194 HOSE 1 N 79.84 79.84 T41677 O-RING 1 6.73 6.73 U12547 O-RING 1 1.63 1.63 U17409 O-RING 7 3.24 22.68 YZ120167 WASHER 1 2.54 2.54 YZ120398 COMPRESSION SPR 3 N 1.71 5.13 YZ120442 HOUSING 1 N 658.70 658.70 YZ121809 Clutch Disk 4 N 39.91 159.64 YZ123334 Seal 2 12.19 24.38 07485 SURFACE COND 6 3.41 20.46 11M7032 COTTER PIN 1 .41 .41 19H2668 CAP SCREW 8 2.30 18.40 19M7417 CAP SCREW 24 N 7.48 179.52 24M7338 WASHER 2 1.63 3.26 57M7524 ELEC. CONN 1 2.36 2.36 57M7620 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96	T160541	O-RING		1 N	6.43	6.43	
T215516 THRUST WASHER 12 19.70 236.40 T217194 HOSE 1 N 79.84 79.84 T41677 O-RING 1 6.73 6.73 U12547 O-RING 1 1.63 1.63 U17409 O-RING 7 3.24 22.68 YZ120167 WASHER 1 2.54 2.54 YZ120398 COMPRESSION SPR 3 N 1.71 5.13 YZ120442 HOUSING 1 N 658.70 658.70 YZ121809 Clutch Disk 4 N 39.91 159.64 YZ123334 Seal 2 12.19 24.38 07485 SURFACE COND 6 3.41 20.46 11M7032 COTTER PIN 1 41 41 1942668 CAP SCREW 8 2.30 18.40 19M7417 CAP SCREW 32 S 3.16 101.12 19M8190 CAP SCREW 24 N 7.48 179.52 24M7338 WASHER 2 1.63 3.26 57M7534 ELEC. CONN 1 2.36 2.36 57M7620 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96	T205818	RADIATOR H		1	56.61	56.61	
T217194 HOSE 1 N 79.84 79.84 T41677 O-RING 1 6.73 6.73 U12547 O-RING 1 1.63 1.63 U17409 O-RING 7 3.24 22.68 YZ120167 WASHER 1 2.54 2.54 YZ120398 COMPRESSION SPR 3 N 1.71 5.13 YZ120442 HOUSING 1 N 658.70 658.70 YZ121809 Clutch Disk 4 N 39.91 159.64 YZ123334 Seal 2 12.19 24.38 O7485 SURFACE COND 6 3.41 20.46 1M7032 COTTER PIN 1 .41 .41 1992668 CAP SCREW 8 2.30 18.40 19M7417 CAP SCREW 32 S 3.16 101.12 19M8190 CAP SCREW 24 N 7.48 179.52 24M7338 WASHER 2 1.63 3.26 57M7534 ELEC. CONN 1 2.36 2.36 57M7620 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96	T215515	WEAR RING		4	100.07	400.28	
T41677 O-RING 1 6.73 6.73 U12547 O-RING 1 1.63 1.63 U17409 O-RING 7 3.24 22.68 YZ120167 WASHER 1 2.54 2.54 YZ120398 COMPRESSION SPR 3 N 1.71 5.13 YZ120442 HOUSING 1 N 658.70 658.70 YZ121809 Clutch Disk 4 N 39.91 159.64 YZ123334 Seal 2 12.19 24.38 07485 SURFACE COND 6 3.41 20.46 11M7032 COTTER PIN 1 .41 .41 19H2668 CAP SCREW 8 2.30 18.40 19M7417 CAP SCREW 32 S 3.16 101.12 19M8190 CAP SCREW 32 S 3.16 101.12 19M8190 CAP SCREW 24 N 7.48 179.52 24M7338 WASHER 2 1.63 3.26 57M7534 ELEC. CONN 1 2.36 2.36 57M7620 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96	T215516	THRUST WASHER		12	19.70	236.40	
U12547 O-RING 1 1.63 1.63 U17409 O-RING 7 3.24 22.68 YZ120167 WASHER 1 2.54 2.54 YZ120398 COMPRESSION SPR 3 N 1.71 5.13 YZ120442 HOUSING 1 N 658.70 658.70 YZ121809 Clutch Disk 4 N 39.91 159.64 YZ123334 Seal 2 12.19 24.38 07485 SURFACE COND 6 3.41 20.46 11M7032 COTTER PIN 1 .41 .41 19H2668 CAP SCREW 8 2.30 18.40 19M7417 CAP SCREW 32 S 3.16 101.12 19M8190 CAP SCREW 24 N 7.48 179.52 24M7338 WASHER 2 1.63 3.26 57M7534 ELEC. CONN 1 2.36 2.36 57M7620 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96	T217194	HOSE		1 N	79.84	79.84	
U17409 O-RING 7 3.24 22.68 YZ120167 WASHER 1 2.54 2.54 YZ120398 COMPRESSION SPR 3 N 1.71 5.13 YZ120442 HOUSING 1 N 658.70 658.70 YZ121809 Clutch Disk 4 N 39.91 159.64 YZ123334 Seal 2 12.19 24.38 07485 SURFACE COND 6 3.41 20.46 11M7032 COTTER PIN 1 .41 .41 19H2668 CAP SCREW 8 2.30 18.40 19M7417 CAP SCREW 32 S 3.16 101.12 19M8190 CAP SCREW 24 N 7.48 179.52 24M7338 WASHER 2 1.63 3.26 57M7534 ELEC. CONN 1 2.36 2.36 57M7620 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96	T41677	O-RING		1	6.73	6.73	
YZ120167 WASHER 1 2.54 2.54 YZ120398 COMPRESSION SPR 3 N 1.71 5.13 YZ120442 HOUSING 1 N 658.70 658.70 YZ121809 Clutch Disk 4 N 39.91 159.64 YZ123334 Seal 2 12.19 24.38 07485 SURFACE COND 6 3.41 20.46 11M7032 COTTER PIN 1 .41 .41 19H2668 CAP SCREW 8 2.30 18.40 19M7417 CAP SCREW 32 S 3.16 101.12 19M8190 CAP SCREW 24 N 7.48 179.52 24M7338 WASHER 2 1.63 3.26 57M7534 ELEC. CONN 1 2.36 2.36 57M7620 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96	U12547	O-RING		1	1.63	1.63	
YZ120398 COMPRESSION SPR 3 N 1.71 5.13 YZ120442 HOUSING 1 N 658.70 658.70 YZ121809 Clutch Disk 4 N 39.91 159.64 YZ123334 Seal 2 12.19 24.38 07485 SURFACE COND 6 3.41 20.46 11M7032 COTTER PIN 1 .41 .41 19H2668 CAP SCREW 8 2.30 18.40 19M7417 CAP SCREW 32 S 3.16 101.12 19M8190 CAP SCREW 24 N 7.48 179.52 24M7338 WASHER 2 1.63 3.26 57M7534 ELEC. CONN 1 2.36 2.36 57M7620 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96	U17409	O-RING		7	3.24	22.68	
YZ120442 HOUSING 1 N 658.70 658.70 YZ121809 Clutch Disk 4 N 39.91 159.64 YZ123334 Seal 2 12.19 24.38 07485 SURFACE COND 6 3.41 20.46 11M7032 COTTER PIN 1 .41 .41 19H2668 CAP SCREW 8 2.30 18.40 19M7417 CAP SCREW 32 S 3.16 101.12 19M8190 CAP SCREW 24 N 7.48 179.52 24M7338 WASHER 2 1.63 3.26 57M7534 ELEC. CONN 1 2.36 2.36 57M7620 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96	YZ120167	WASHER		1	2.54	2.54	
YZ121809 Clutch Disk 4 N 39.91 159.64 YZ123334 Seal 2 12.19 24.38 07485 SURFACE COND 6 3.41 20.46 11M7032 COTTER PIN 1 .41 .41 19H2668 CAP SCREW 8 2.30 18.40 19M7417 CAP SCREW 32 S 3.16 101.12 19M8190 CAP SCREW 24 N 7.48 179.52 24M7338 WASHER 2 1.63 3.26 57M7534 ELEC. CONN 1 2.36 2.36 57M7620 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96	YZ120398	COMPRESSION SPR		3 N	1.71	5.13	
YZ123334 Seal 2 12.19 24.38 07485 SURFACE COND 6 3.41 20.46 11M7032 COTTER PIN 1 .41 .41 19H2668 CAP SCREW 8 2.30 18.40 19M7417 CAP SCREW 32 S 3.16 101.12 19M8190 CAP SCREW 24 N 7.48 179.52 24M7338 WASHER 2 1.63 3.26 57M7534 ELEC. CONN 1 2.36 2.36 57M7620 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96	YZ120442	HOUSING		1 N	658.70	658.70	
07485 SURFACE COND 6 3.41 20.46 11M7032 COTTER PIN 1 .41 .41 19H2668 CAP SCREW 8 2.30 18.40 19M7417 CAP SCREW 32 S 3.16 101.12 19M8190 CAP SCREW 24 N 7.48 179.52 24M7338 WASHER 2 1.63 3.26 57M7534 ELEC. CONN 1 2.36 2.36 57M7620 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96	YZ121809	Clutch Disk		4 N	39.91	159.64	
11M7032 COTTER PIN 1 .41 .41 19H2668 CAP SCREW 8 2.30 18.40 19M7417 CAP SCREW 32 S 3.16 101.12 19M8190 CAP SCREW 24 N 7.48 179.52 24M7338 WASHER 2 1.63 3.26 57M7534 ELEC. CONN 1 2.36 2.36 57M7620 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96	YZ123334	Seal		2	12.19	24.38	
19H2668 CAP SCREW 8 2.30 18.40 19M7417 CAP SCREW 32 S 3.16 101.12 19M8190 CAP SCREW 24 N 7.48 179.52 24M7338 WASHER 2 1.63 3.26 57M7534 ELEC. CONN 1 2.36 2.36 57M7620 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96	07485			6	3.41	20.46	
19M7417 CAP SCREW 32 S 3.16 101.12 19M8190 CAP SCREW 24 N 7.48 179.52 24M7338 WASHER 2 1.63 3.26 57M7534 ELEC. CONN 1 2.36 2.36 57M7620 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96	11M7032	COTTER PIN		1	.41	.41	
19M8190 CAP SCREW 24 N 7.48 179.52 24M7338 WASHER 2 1.63 3.26 57M7534 ELEC. CONN 1 2.36 2.36 57M7620 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96	19H2668	CAP SCREW		8	2.30	18.40	
24M7338 WASHER 2 1.63 3.26 57M7534 ELEC. CONN 1 2.36 2.36 57M7620 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96	19M7417	CAP SCREW		32 S	3.16	101.12	
57M7534 ELEC. CONN 1 2.36 2.36 57M7620 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96	19M8190	CAP SCREW		24 N	7.48	179.52	
57M7620 ELECTRICAL 1 .30 .30 PARTS 8464.06 LABOR 6870.96	24M7338	WASHER		2	1.63	3.26	
PARTS 8464.06 LABOR 6870.96	57M7534	ELEC. CONN		1	2.36	2.36	
LABOR 6870.96	57M7620	ELECTRICAL		1	.30	.30	
					PARTS	8464.06	
10501051 REPAIR TOTAL==> 15335.02					LABOR	6870.96	
	1	0501051		REPAIR	TOTAL==>	15335.02	

REPAIR# 3 C LSD01 00250A041 04/16/14 04/17/14 04/30/14 TANDEM DRIVE OUTBOARD HUB BEARING(S) & SEAL, REPLACE- RT REA 7.80 HRS CONDITION:

Found LH front hub on tandems leaking oil out of seals.

CONTINUED ON PAGE 06

Stocked parts can be returned within 30 days with copy of invoice. Special SIGNATURE order parts \$20.00 and up may be returned within 30 days with copy of invoice. 20% restock charge will apply to all special order parts. All sales TERMS AND CONDITIONS: All invoices are due Net-20 days from the uninstalled and in original packaging. No returns on electrical components. Please refer to your finance agreement for details. No refunds on freight charges.

EQUIPMENT CO. Branch SAME AS BELOW Date Page Ship to: 17:54:44 (B) 05/23/14 Phone No. Invoice No. Account No. W42416 0828013 Purchase Order Ship Via W99/EE4 SPINK COUNTY HIGHWAY DEPT nvoice to: 1518 E 7TH AVE GOVT Salesperson SD 57469 REDFIELD DKE

SERVICE INVOICE

STK#/FLEET# X079444 MOTOR GRADERS 772D

PIN/EIN HRS 5398 DW772DX612926 RG6081H297756

WARRANTY DATE HRS 11/15/07 05/14/14

9999 8000 X

CAUSE:

Found oil leaking at wheel flange to hub seal.

CORRECTION:

Left

hub was removed. Disassembled hub and removed old bearings. Cleaned all parts and reassembled with new seals and

bearings.

BRAD-

- -Drained tandem oil, remove drive chain to front spindle
- -Removed spindle from tandem.
- -After repair to spindle complete.
- -Installed spindle, connect chain, fill tandem with oil.
- -Operate and inspect for leaks, was dry.

ADDITIONAL DESCRIPTION:

Key Part: AT363653

General Repair (Fail) Area: WHEEL HUB

Failure Type Code: 14 DTAC Case / Solution #:

Labor Hours: 5.25 Diagnostic Hours: Cleanup Hours:



 		====	355555		
 0007	1	AT.	200	10	

AT363653	SEAL	1 N	290.10	290.10
JD8962	BEARING CO	1 S	55.42	55.42
JD9080	BEARING CO	1 S	86.36	86.36
JD9120	BEARING CU	1 S	49.85	49.85
JD9138	BEARING CU	1 S	50.73	50.73
R26448	O-RING	1	1.51	1.51
R28782	O-RING	1	1.25	1.25
T158339	O-RING	1	6.54	6.54

CONTINUED ON PAGE 07

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SERVICE INVOICE

STK#/FLEET	#	HRS	PIN/EIN	1	WARRANTY DATE	HRS
X079444	MOTOR GRADERS	5398	DW772D3	(612926	11/15/07	9999
	772D		RG6081	1297756	05/14/14	8000 X
T158340	GASKET		1 S	7.99	7.99	
T158513	GASKET		2 N	9.12	18.24	
T41677	O-RING		1 S	6.73	6.73	
U17409	O-RING		1 S	3.24	3.24	
YZ123335	Seal		1 S	12.16	12.16	
11M7021	COTTER PIN		1	.30	.30	
				PARTS	590.42	
				LABOR	567.00	
	10501051		REPAIR	TOTAL==>	1157.42	

REPAIR# 5 C BV301 00201A038

04/16/14 04/26/14 04/30/14

TANDEM DRIVE OUTBOARD HUB, REPLACE-REAR RIGHT REAR

CONDITION:

Right side tandem, front spindle is leaking oil. CAUSE:

Spindle seal is leaking.

CORRECTION:

Drain tandem, remove drive chain to front spindle.

Lucase removed spindle then replaced bearings and seal.

Installed spindle, chain, and covers.

Filled tandem with new oil.

Operate and inspect for leaks, was dry.

ADDITIONAL DESCRIPTION:

Key Part:AT363653

General Repair (Fail) Area: OUTBOARD HUB

Failure Type Code: 14 DTAC Case / Solution #:

Labor Hours: 7.06 Diagnostic Hours: Cleanup Hours:

CONTINUED ON PAGE 08

7.60 HRS

Stocked parts can be returned within 30 days with copy of invoice. Special order parts \$20.00 and up may be returned within 30 days with copy of invoice. 20% restock charge will apply to all special order parts. All sales are final on special order non-returnable parts. All parts must be new, uninstalled and in original packaging. No returns on electrical components. No refunds on freight charges.

SIGNATURE

EQUIPMENT CO. Branch SAME AS BELOW Page ë 08 17:54:44 (B) Ship 05/23/14 Phone No. Invoice No. Account No. W42416 0828013 Ship Via W99/EE4 SPINK COUNTY HIGHWAY DEPT Invoice 1518 E 7TH AVE GOVT Salesperson SD 57469 REDFIELD DKE SERVICE INVOICE HRS WARRANTY DATE STK#/FLEET# HRS PIN/EIN 9999 11/15/07 X079444 MOTOR GRADERS 5398 DW772DX612926 05/14/14 8000 X RG6081H297756 772D .52 .52 COTTER PIN 11M7085 .52 PARTS LABOR 762.48 REPAIR TOTAL ==> 763.00 10501051 REPAIR# 6 C BV301 MULTIPLE 04/16/14 04/26/14 04/30/14 24.60 HRS TRANSMISSION - R&I CONDITION: Fly wheel housing leaking oil. CAUSE: Amerobic sealant, pm38657 sealant is brittle and hard, allowing oil to leak. **** CORRECTION: Remove components to access transmission. Remove hydraulic pumps, lines, wire harness to

transmission.

Lift transmission from chassis.

Clean sealing surface of transmission/flywheel housing.

Install transmission and all componants.

Run machine, inspect for fluid leaks.

Top off hydraulic reservior.

Calibrate Transmission and HFWD.

ADDITIONAL DESCRIPTION:

Key Part: pm38657

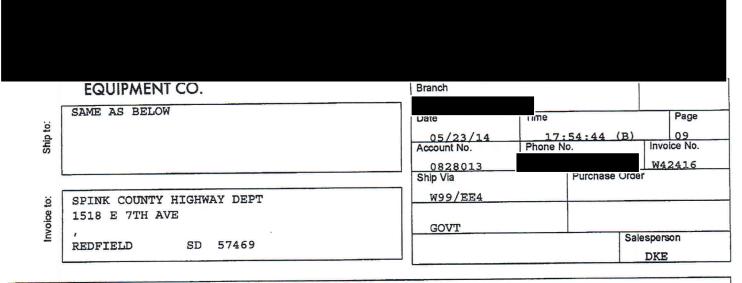
General Repair (Fail) Area: FLYWHEEL HOUSING

Failure Type Code: 14 DTAC Case / Solution #:

Labor Hours:23.24 Diagnostic Hours:

CONTINUED ON PAGE 09

Stocked parts can be returned within 30 days with copy of invoice. Special SIGNATURE order parts \$20.00 and up may be returned within 30 days with copy of invoice. 20% restock charge will apply to all special order parts. All sales are final on special order non-returnable parts. All parts must be new, uninstalled and in original packaging. No returns on electrical components. No refunds on freight charges.



					SEF	RVICE INVOICE				
STK#/FLEE	.T#		HRS	PII	N/E	EIN	WARRANTY D	ATE	HRS	
X079444		OR GRADERS	5398			DX612926	11/15	/07	9999	
20/2111	7721			RG	508	31H297756	05/14		8000	X
Addition		00300A007	00260A167							
=======		=========			===		=====			
AT310272	2	Hose		1	N	31.06	31.			
F3702015	9	O-RING		1		4.16	4.	16		
HDXASP20)	HYDREX 5 GAL		1		105.81	105.	81		
H77698		TIE BAND		30		.28	8.	40		
PM38657		FORM-GASKE		2		18.92	37.	84		
P50631		O-RING		1		3.78	3.	78		
TY22562		BULK HOSE	w si	43		.20	8.	60		
T186987		SUCTION HOSE	ă î	1	N	42.54	42.	54		
T210520		SUCTION HOSE	B**(3)	1	N	45.79	45.			
20100		CLEANER	ce.	2	-	5.95	11.	90		
24H1327		WASHER	220	2		.78		78		
The state of the s		1/4 HOSE		3	2	1.81	460 S			
6635		1/4 HUSE	No.	3	3	PARTS	306.			
				1.00	8			82.00 E		
		4.5%		1		LABOR	2509.			
	105010	51		RE:	PA:	IR TOTAL==>	2816.	01		
REPAIR# FLYWHEEI		01 00433C010 G OR GASKET -	04/16/1 REPLACE W			28/14 04/30 RANSMISSION	The state of the s	2.60 H	IRS	

CONDITION:

Customer states flywheel housing and starter are leaking, and would like torsional isolator inspected for wear also. CAUSE:

Found flywheel housing and starter gaskets leaking transmission oil.

CORRECTION:

Transmission previously removed. Removed torsional isolator, cleaned, and inspected for wear in springs. Found good. Removed flywheel housing rear engine mounts. Found 1 broken bolt in engine mount on right side. Removed starter

CONTINUED ON PAGE 10

Stocked parts can be returned within 30 days with copy of invoice. Special SIGNATURE order parts \$20.00 and up may be returned within 30 days with copy of invoice. 20% restock charge will apply to all special order parts. All sales TERMS AND CONDITIONS: All invoices are due Net-20 days from the uninstalled and in original packaging. No returns on electrical components. Please refer to your finance agreement for details. No refunds on freight charges.

Branch EQUIPMENT CO. SAME AS BELOW Page Time Date <u>0</u> Ship 17:54:44 (B) 05/23/14 Account No. Phone No. Invoice No. W42416 0828013 Purchase Orger Ship Via W99/EE4 SPINK COUNTY HIGHWAY DEPT 9 Invoice 1518 E 7TH AVE GOVT Salesperson SD 57469 REDFIELD DKE

SERVICE INVOICE

WARRANTY DATE HRS HRS PIN/EIN STK#/FLEET# 11/15/07 9999 5398 DW772DX612926 X079444 MOTOR GRADERS 8000 X 05/14/14 RG6081H297756 772D

and replaced starter to engine block gasket. Replaced both flywheel turning hole plug and timing lock plug. Cleaned flywheel housing and block of gasket material. Reinstalled flywheel housing and starter with new gaskets and torqued bolts to specification. Reinstalled torsional isolator and torqued bolts to specification.

ADDITIONAL DESCRIPTION:

Key Part: R518995

General Repair (Fail) Area: FLYWHEEL

Failure Type Code: 14 DTAC Case / Solution # Labor Hours: 2.6 Diagnostic Hours: Cleanup Hours:

Creamup	Hours.					
2220022						
AR61533	PLUG	7	12 m	1	8.54	8.54
AR61589	PLUG			1	7.11	
R518995	GASKET			2 S	32.52	65.04
R53108	GASKET			1	3.66	3.66
20100	CLEANER			1	5.95	5.95
					PARTS	90.30
					LABOR	280.80
	10501051			REPAIR	TOTAL==>	371.10

REPAIR# 8 C LSD01 NA

04/29/14 04/29/14 05/22/14

Extract 1 Broken Bolt. Repair Hole.

1.08 HRS

CONDITION:

Technician states there is a broken bolt through the right rear engine mount to flywheel housing. CAUSE:

CONTINUED ON PAGE 11

Stocked parts can be returned within 30 days with copy of invoice. Special SIGNATURE order parts \$20.00 and up may be returned within 30 days with copy of invoice. 20% restock charge will apply to all special order parts. All sales are final on special order non-returnable parts. All parts must be new, uninstalled and in original packaging. No returns on electrical components. Please refer to your finance agreement for details. No refunds on freight charges.

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SERVICE INVOICE

STK#/FLEET#

MOTOR GRADERS

HRS PIN/EIN

WARRANTY DATE 11/15/07

HRS 9999

X079444

5398 DW772DX612926

05/14/14

RG6081H297756

8000 X

Found broken bolt in flywheel housing fastening right rear engine mount.

CORRECTION:

Drilled out bolt after removal of flywheel housing. Cleaned hole and drilled to final hole size for heli-coil tap. Tapped hole and cleaned threads. Inserted heli-coil and locked into place. Replaced bolt.

ADDITIONAL DESCRIPTION:

Key Part: 19H2993

General Repair (Fail) Area: ENGINE MOUNTS

Failure Type Code:3 DTAC Case / Solution #: Labor Hours:1.08 Diagnostic Hours:

Cleanup Hours:

----19H2993

CAP SCREW

1.41

1.41

PARTS

LABOR

1.41 116.64

10501051

REPAIR TOTAL ==>

118.05

04/16/14 05/01/14 04/30/14 REPAIR# 9 C BV301 00360C130 TRANSMISSION CHARGE PUMP (REPLACE WITH TRANSMISSION OUT)

4.60 HRS

CONDITION:

Transmission oil samples have been positive with aluminum.

Transmission charge pump gears starting to wear on pump housing which is aluminum.

CORRECTION:

Remove pump from transmission, dissassemble on bench.

CONTINUED ON PAGE 12

Stocked parts can be returned within 30 days with copy of invoice. Special SIGNATURE order parts \$20.00 and up may be returned within 30 days with copy of invoice. 20% restock charge will apply to all special order parts. All sales TERMS AND CONDITIONS: All invoices are due Net-20 days from the are final on special order non-returnable parts. All parts must be new, uninstalled and in original packaging. No returns on electrical components. No refunds on freight charges.

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EQUIPMENT CO. Branch SAME AS BELOW me Page Ö Ship 05/23/14 17:54:44 Account No. Phone No. Invoice No. W42416 0828013 Ship Via Purchase Order W99/EE4 SPINK COUNTY HIGHWAY DEPT Involce to: 1518 E 7TH AVE GOVT Salesperson REDFIELD SD 57469 DKE

SERVICE INVOICE

WARRANTY DATE HRS HRS PIN/EIN STK#/FLEET# 9999 X079444 MOTOR GRADERS 5398 DW772DX612926 11/15/07 05/14/14 8000 X RG6081H297756 772D

Found drive gear inside pump had been wearing on pump case.

Was able to fill a ledge in pump case where gear was running.

Orderd new pump.

Install new pump and pickup tube.

Operate transmission and verify operation.

Calibrate transmission.

ADDITIONAL DESCRIPTION:

Key Part: YZ106550

General Repair (Fail) Area: TRANSMISSION

Failure Type Code: 23 DTAC Case / Solution #: Labor Hours: 2.3 Diagnostic Hours:

Cleanup Hours:

1 100.40 100.40 SHIP/HANDLING FRTIN 5.46 1 S 5.46 O-RING F37030250 1306.03 1306.03 OIL PUMP 1 N YZ106550 1411.89 PARTS

> LABOR 248.40 REPAIR TOTAL ==> 1660.29 10501051

REPAIR# 18 C LSD01 00250A041 04/16/14 05/23/14 04/30/14

TANDEM DRIVE OUTBOARD HUB BEARING(S) & SEAL, REPLACE- RT REA 7.80 HRS CONDITION:

Found RH front hub on tandems leaking oil out of seals.

Found oil leaking at wheel flange to hub seal.

CORRECTION:

CONTINUED ON PAGE 13

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EQUIPMENT CO. Branch SAME AS BELOW ABERDEEN. Time Page Date Ship 05/23/14 17:54:44 (B) Account No. Phone No. Invoice No. 4725009 W42416 0828013 Ship Via Purchase Order W99/EE4 SPINK COUNTY HIGHWAY DEPT 9 Invoice 1518 E 7TH AVE GOVT Salesperson REDFIELD SD 57469 DKE

SERVICE INVOICE

STK#/FLEET#

X079444 MOTOR GRADERS

HRS PIN/EIN 5398 DW772DX612926 WARRANTY DATE 11/15/07

HRS 9999

RG6081H297756

05/14/14

8000 X

772D

Removed 1 hub from right tandem and cleaned holes and bolts. Disassembled hub and removed old bearings. Cleaned

all parts and reassembled with new seals and bearings.

ADDITIONAL DESCRIPTION:

Key Part: AT363653

General Repair (Fail) Area: WHEEL HUB

GASKET

Failure Type Code: 14

DTAC Case / Solution #:

Labor Hours: 4.8 Diagnostic Hours:

Cleanup Hours:

AT363653

JD8962 JD9080

JD9120 JD9138

R26448 R28782

T158339

T158340

T158513

SEAL	1 N	290.10	290.10
BEARING CO	1 N	55.42	55.42
BEARING CO	1 N	86.36	86.36
BEARING CU	1 N	49.85	49.85
BEARING CU	1 N	50.73	50.73
O-RING	1	1.51	1.51
O-RING	1	1.25	1.25
O-RING	1 S	6.54	6.54
GASKET	1	7.99	7.99

3.24 3.24 O-RING 1 U17409 1 S 12.16 12.16 Seal YZ123335 .90 3 .30 COTTER PIN 11M7021 584.29 PARTS

> 1102.69 REPAIR TOTAL ==> 10501051

2

***** WORK ORDER TOTALS ***** CONTINUED ON PAGE 14

18.24

518.40

Stocked parts can be returned within 30 days with copy of invoice. Special SIGNATURE order parts \$20.00 and up may be returned within 30 days with copy of invoice. 20% restock charge will apply to all special order parts. All sales are final on special order non-returnable parts. All parts must be new, uninstalled and in original packaging. No returns on electrical components. Please refer to your finance agreement for details. No refunds on freight charges.

9.12

LABOR

TERMS AND CONDITIONS: All invoices are due Net-20 days from the invoice date or in accordance with the terms of your account agreement.

EQUIPMENT CO. Branch *REPRINT SAME AS BELOW Page ne 2 Ship 05/08/14 18:03:57 (B) Account No. Phone No. Invoice No. W42576 0828013 Purchase Order Ship Via SPINK COUNTY HIGHWAY DEPT DKE 1518 E 7TH AVE GOVT Salesperson REDFIELD SD 57469 DCI

SERVICE INVOICE

STK#/FLEET# WARRANTY DATE HRS HRS PIN/EIN 9999 5398 DW772DX612926 11/15/07 X079444 772D MOTOR GRADER 8000 X RG6081H297756 05/14/14 772D

REPAIR# 1 C LSD01 NA

04/25/14 04/29/14 04/30/14

CHANGE HUB OIL

CONDITION:

Customer states front hub oil needs to be replaced.

CAUSE:

hubs due for oil change.

CORRECTION:

Lifted front wheels off of ground and rotated to drain oil. Drained oil and tightened plug. Rotated to fill hubs and filled to bottom of fill plug. Let oil settle and topped off hubs. Cleaned hubs, wheels, and tires of left over oil

and set front	wheels back on gro	ound.			
TY22028	HY GARD:	13	2.92		37.96
X1J043-6-6	FITTING		18.63		37.26
X11L43-8-6	ELBOW FITTING	v. 1 2	29.54		59.08
X471TC-6-RL	BULK HOSE	2	5.43		10.86
20100	CLEANER	2	5.95		11.90
			PARTS	15	157.06
			LABOR		216.00
10403099		REI	PAIR TOTAL==>		373.06

REPAIR# 2 C LSD01 NA

04/25/14 04/29/14 04/30/14

LEAKING HYD HOSE

CONDITION:

Change leaking hose on front end

CAUSE:

Found 2 short hoses leaking to front auxiliary cylinder.

CORRECTION:

Raised and supported front auxiliary attachment with a chain. Released hydraulic pressure and removed hoses and

CONTINUED ON PAGE 02

Stocked parts can be returned within 30 days with copy of invoice. Special SIGNATURE order parts \$20.00 and up may be returned within 30 days with copy of invoice. 20% restock charge will apply to all special order parts. All sales uninstalled and in original packaging. No returns on electrical components. Please refer to your finance agreement for details. No refunds on freight charges.

TERMS AND CONDITIONS: All invoices are due Net-20 days from the are final on special order non-returnable parts. All parts must be new, invoice date or in accordance with the terms of your account agreement.

	EQUIPMENT CO.	Branch	_	
.o.	SAME AS BELOW	Date	ne	Pag
Ship to:		05/08/14 Account No. 0828013	18:03:57 Phone No.	(B) 02 Invoice No W42576
Involce to:	SPINK COUNTY HIGHWAY DEPT	Ship Via DKE	Purchase	e Order

SERVICE INVOICE

WARRANTY DATE HRS HRS PIN/EIN STK#/FLEET# 9999 5398 DW772DX612926 11/15/07 772D MOTOR GRADER X079444 05/14/14 8000 X RG6081H297756 772D

capped hose ends. Replaced both short stub hoses from cylinder with new ones and torqued to specification. Raised auxiliary attachment up, removed chain and cycled cylinder to bleed air from lines. Topped off hydraulic oil.

LABOR 108.00 108.00 REPAIR TOTAL ==> 10403099

04/25/14 04/30/14 04/30/14 REPAIR# 3 C BV301 10-040-210 SWITCH, TRANSMISSION FILTER RESTRICTION - R&R CONDITION:

-Change filter and oil (transmission) all become "all off

-High levels of aluminum in transmission oil samples CORRECTION:

- -Remove transmission filter, cut open and inspect for aluminum.
- -Found very small amount of aluminum in filter pleats.
- -Install new filter.
- -Found source of aluminum, Transmission charge pump.
- -Fill with new oil.

83.79 TRANS FILT 83.79 AT305049 83.79 PARTS 162.00 LABOR

245.79 REPAIR TOTAL ==> 10403099

> ***** WORK ORDER TOTALS ***** 240.85 PARTS 486.00 LABOR

726.85 8850209600 TOTAL POWERPLAN B/F 164984

CONTINUED ON PAGE 03

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