

Handwritten notes at top: *Handwritten: JMD Roman WIK WL10002 with handle LD636 need CID FOR FILTER LD624 4656608 P 502441*



JOHN DEERE

FORESTRY

EQUIPMENT

UPTIME MAINTENANCE PLANNER

REQUIRED PARTS									
Description	Part Number	Initial Service 250 Hours ²	Every 250 Hours	Every 500 Hours	Every 1000 Hours	Every 1500 Hours	Every 2000 Hours	Every 5000 Hours	Every 6000 Hours
Engine Oil Filter	RE504836	1		1	1	1	1	1	1
Auxiliary Fuel Filter/Water Separator— Stage II Engine —if equipped	AT365869			1	1	1	1	1	1
Fuel Filter Element	RE522878	<i>FS 19976</i>		1	1	1	1	1	1
Water Separator Element	<i>RE541922</i> RE529643	<i>FS 20076</i>		1	1	1	1	1	1
Hydraulic System Return Oil Filter	4656608	<i>DN P502441</i>			1		1	1	1
Air Filter - Primary	AT300487				1		1	1	1
Air Filter - Secondary	AT314583				1		1	1	1
Dust Unloader Valve	M89679				1		1	1	1
Pilot Oil Filter	4630525				1		1	1	1
Engine Rocker Arm Cover Gasket	R504882						1		1
Engine Crankshaft Dampener	RE505939							1	
Hydraulic Vent Cap Filter	4437838							1	
Cab Fresh Air Filter - Side Entry Cab	4S00640	<i>no filter in location</i>							As Required
Cab Recirculation Air Filter - Side Entry Cab	4S00883	<i>no filter in location</i>							As Required
PLUS-50™ II Oil	TY26674 ⁵	24.6 L (6.5 gal)		24.6 L (6.5 gal)	1	24.6 L (6.5 gal)	24.6 L (6.5 gal)	24.6 L (6.5 gal)	24.6 L (6.5 gal)
API GL-5 Gear Oil	TY6296 ⁵				12.9 L (3.4 gal)		29.9 L (7.9 gal)	12.9 L (3.4 gal)	29.9 L (7.9 gal)
COOL-GARD™ II Pre-Mix - Base	TY26575								29.9 L (7.9 gal)
COOL-GARD™ II Pre-Mix - 48 in. Side Entry Cab	TY26575								30.9 L (8.2 gal)
COOL-GARD™ II Pre-Mix - Rear Entry Cab	TY26575								32.4 L (8.6 gal)
SUPER EX 46HN Hydraulic Oil ⁴	2808-050 ⁶							147.6 L (39.0 gal)	
Zinc-Based Hydraulic Oil ³						147.6 L (39.0 gal)			147.6 L (39.0 gal)
Coolant Extender	TY26603								As Required
Fluid Analysis Kits ⁶									
Diesel Engine Oil	AT317904		1	1	1	1	1	1	1
Hydraulic Oil	AT303189			1	1	1	1	1	1
Travel Gear Case Oil	AT303189		2	2	2	2	2	2	2
Swing Gear Case Oil	AT303189		1	1	1	1	1	1	1
Pump Drive Gear Case Oil	AT303189		1	1	1	1	1	1	1
Engine Coolant	AT183016		1	1	1	1	1	1	1
Diesel Fuel	AT180344		1	1	1	1	1	1	1
COOL-GARD™ II Test Strips	TY26605				1		1	1	1

Handwritten notes on right side of table: *DN P55076, DN P557425, DN P557433, DN P613334, DN P613335, WPK & LI 0006, AF 25963 inner, AF 25962 outer*

Handwritten note on left side: *4350249*

¹ Inspect after first 50 hours and every 250 hours thereafter.
² Perform initial service once after the first 250 hours of operation.
³ If using zinc-based oil, reduced service interval of 1500 hours applies, see Hydraulic Oil. (Section 3-1.)
⁴ If using zinc free oil, a service interval of 5000 hours applies, see Hydraulic Oil. (Section 3-1.)
⁵ See operator's manual for recommended oil type and oil viscosities based on operating temperatures.
⁶ Based on fluid analysis results, intervals may need to be adjusted for your operating conditions. Consult your local John Deere dealer.

Handwritten note: *3.67165 R134A*

Handwritten note: *RE 522878 new # water separator*

Handwritten notes: *RE 522878 DN P557422 FS 19976, RE 541922 DN P557433 FS 20076*

Handwritten note: *Serpentine Engine Belt. PART # R521051 - new # 02117267*

Handwritten note: *A/C Belt # B50 PART # DH400537 UPDATED APRIL 2017*

Handwritten note: **New A/C Belt Shorter DH400223.*

PRODUCTIVITY | UPTIME | LOW DAILY OPERATING COSTS

Handwritten note: *BRANDT GRAPPLE SERIAL # 522161 BUP PN 1035302 - ACEAA weight 5500/65*

T231407 25OCT10
T282988-59 | T231408-28 | T231409-63

Handwritten note: *GRAPPLE MOTOR TAG VIS45 38.6 cu in. PN 157-0082-005*

Handwritten note: *new undercarriage JAN 15/21 All Berco from (MATH). See BACK!*

LD 624 weight 88210 lbs.

John Deere GRAPPLE 5500 lbs.

93710 lbs

Misc # 205656-03600

GRAPPLE CYL HOSES TANS TO SWIVEL X 4. 36" OAL C-C #8-5000 PSI HOSE
#8-90° ORF SWIVEL AND #8 ORF STR SWIVEL.

JDCFC Dealer Net

John Deere Construction & Forestry Dealers
Serial No. / Option Codes

Serial Number Retention
[Main Menu](#) | [Feedback](#) | [Help](#)

07149I: THERE WERE NO
NOTES FOUND FOR THIS
MACHINE.

PIN: Process

Machine

2013

PIN: FF2954D290142

Engine: PE6068L239929

Model: 2954D

Engine Model: new SERIAL #

Base Machine: 7730F

Comp. Warranty: NO

6068 HDW79
~~6068H7670~~
PE6068N014001

INSTALL JAN 2011 FROM \$18 & 1/2 INCH

Base Machine Code:

BERCO RAILS & PADS LINKS CR5915 CR5914
MASTER PIV KIT CR5935 - PIV ONLY CR5919 SPACER 2 ONLY CR5933

Component Serial Numbers

TRACK BOOTS 2022x70mm (07050334)
TRACK NOT 22mm (07050333)

Build Codes

Code	Description	Code	Description
1010	2954D LOG LOADER	1600	CUSTOMER DELIVERY PACKET EN
1701	JDLINK ULT + SATLT 3 YRS	2080	ENGINE TIER III
2110	ENG COOLANT-COOL GARD 50/50	3045	9FT.7"HI-GAUGE UNDERCARRIAGE
3325	SHOE 700MM 28" DOUBLE	4140	SEAT, AIR RIDE C/W LAP BELT
5810	OIL;LONG LIFE ZINC FREE 46HN	6055	REAR ENTRY CAB W/INTEGRAL 72
6235	FRONT, REAR/ARM WORK LIGHTS	6335	130 AMP ALTERNATOR
6455	TILT RISER FOR REAR ENTRY	6845	VALVE IN HEAD FRONT
7150	OPTIONAL COUNTERWEIGHT	9027	ARM CYLINDR GUARD-BOOM MOUNT
9029	BOOM CYLINDERS GUARD/LOG LDR	9235	ADD'L HVY DUTY 24 VOLT TO 12
9320	HYDRAULIC TANK PRESSURE DUMP	9330	REMOTE POWERED CONDENSER
9470	HYDRAULIC OIL TRANSFER PUMP	9615	REVERSE FAN DRIVE
9625	MANUAL BATTERY DISCONNECT		

9330 POWERED CONDENSER Remote

Notes

Line	Notes	By

Factory / Dealer

Factory Invoice: 16JUL13

Responsible Dealer: 76 6516

Invoice Dealer: 76 6413

BRANDT TRACTOR LTD.

Current Order ID: 124066

CALGARY, AB (403)248-0018

Close

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GRAPPE CYL ROSES 4wire 36" OAL #8 90° ORF FESWID # ST ORF SWID
PNS ROSE BEWOT 205656-03600

Feb 17/15 1700 HRS @ CARIBOO

Service 250 HRS INCLUDE FF'S. SWING & FINALS O.K.
Release oil PAN DRAIN Valve. ADJUST A/C BELT.

~~CHECK FUEL FILTER WRONG SAME #~~

MARCH 3/15 1850 HRS @ CARIBOO **BRANDT VERNON**

TALK TO CRAIG @ BRANDT TRACTOR CUSTOMER SAYS

1-YEAR WARRANTY ON BRANDT POWER GRAPPLE

TYPICALLY?? we are having a DRIFTING PROBLEM WITH

MOTORS FOR SWING

MARCH 31/15 1987 HRS 250HR SERVICE NO FF'S.

MAY 12/15 2188 HRS @ CARIBOO. @ CARIBOO

- Replace GRAPPLE Control Valve, Re Seal grapple Swivel Valve. new Valve From BRANDT.

MAY 22/15 2250 HRS @ CARIBOO **BRANDT VERNON**

RYAN From BRANDT TRACTOR Replaced. ROTATE

MOTORS UNDER WARRANTY DRIFTING BAD.

motors leaked where motor meets Valve. The following week ~~they~~ on INSTALL THEY INSTALL FLANGE O-RINGS.

June 8/15 Replace O-Rings Rotate motors. ~~2281~~ 2331 HRS

JUNE 18/15 2390 HRS @ MTOLEARY

250HR SERVICE INCLUDING FF'S

30-July-15 2656 HRS @ Bigger Creek

250HR SERVICE NO Fuel filters.

20110 201100 - No. 1001 - 1001

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JULY 31/15 2658 HRS @ BIGGER

1000 HR service inner AF, HYD RETURN, PILOT
Change FIRM oil 80W/90, Pump Drive oil AND.
Swing oil.

7-OCT-15 3040 HRS @ CANYON.

- 250 HR service with ~~fuel~~ fuel filters.
- Cut off old hese mount and weld on mount for new hese
Blocks.

OCT 13/15 3062 HRS @ CANYON RD

PERMANENT CODE 1569-31 associated with 97-16
Water in Fuel Derate 50% wire shorting @ Bottom
Fuel FILTERS GOOD no water in them. clean FILTER
Heads check for restriction & Reset codes.

NOV 5/15 3213 HRS @ NIGHTMARE

WELD PIN HOLE IN GRAPPLE CYL.

NOV 20/15 3300 HRS @ TURNER.

16 CUB TRUCKS 30-4" COMPS.

DEC 3/15 3337 HRS @ TURNER

250HR service No fuel FILTER, check wiring for alt., Replace
fuel water sensor.

DEC 7/15 3339 HRS @ TURNER

FIND ELECT. CHARGE LIGHT PROBLEM + REPLACE.
HARNES PLUG.

FEB 4/16 3630 HRS @ WEST WHATSHAN
250 HR SERVICE INCLUDING F.F.'S
TIGHTEN PAD BOLTS.

15-Feb-16 3684 HRS @ W. Whatshan.

1000 HR Service, Drain and Refill ~~of~~ TRAVEL planetary oil,
DRAIN and Refill Swing drive oil, Change hyd pilot
filter, Change hyd RETURN filter, drain and Refill pump
drive oil.

APR 29/16 4143 HRS @ SHOP

250 HR SERVICE, ^{INCLUDE} ~~FF~~ FF. REPLACE A/C BELT.

REPAIR OIL FILL TUBE ON TAPPET COVER.

6-May-16 4181 HRS @ Rossiter

- Change fuel filter and water separator
- Adjust door latch.

MAY 23/16 4455 HRS @ SHOP

Service 250 HRS. no FF's.

Replace ALTERNATOR Housing Bracket.

Replace CRANK HARMONIC Balance Wobbling Separated.

Replace. Seat BACK Bracket. 4 times

Replace JOYSTICK MICRO switches FACE PLATE & 4 Buttons
over lay.

17-AUG-16 4755 HRS. @ Whiskey.

- 250 HR Service w/fuel filter. - Blow out coolers.
- Check pressures for TRACK DRIVE.

SEPT 19/16 4914 @ HADLOW

NO HIGH SPEED CUTS OUT NO DASH LIGHTS, BOOM LIGHTS.
REPAIR WIRE AT ALTERNATOR. CHECK REST OF WIRING.
MONITOR PERFORMANCE.

OCT 5/16 4999 @ SHOP

~~Finning~~ ~~Supplier~~ ~~under~~ ~~ground~~ ~~finning~~ ~~after~~ ~~market~~ ~~checked~~
NO PMS, PAINT OR SPARKS DONE
250 SERVICE NO FF. 1000 HR SERVICE CHANGE ~~Rollers~~
FINALS INNER AIR FILTER. CHECK SWING. CHANGE ~~E~~
ROLLERS + CARRIER ROLLERS. REPLACE BOOM LIGHTS
REBUILD HYD PUMP DRIVE. REPLACE GRAPPLE
TIPS. REPLACE HIGH PRESSURE FUEL SENSOR. INSTALL
NEW SWITCHES IN LEFT HAND JOYSTICK.

OCT 20/16 5042 @ WHATSHAN.

REPLACE IDLERS. INSTALL NEW CONNECTOR
ON WIRING FOR WATER SEPARATOR

OCT 25/16 5057 @ WHATSHAN

WELD BARREL END EYE ON GRAPPLE CYL.

NOV, 15/16 5188 HRS @ Arrowneck
Reseal valve cover

25-NOV-16 5261 HRS @ Arrowneck.

- 250 HR Service w/ Fuel filter.
- grind & weld crack on grapple cyl.
- weld on Ice Corks.

DEC 22/16 5455 HRS @ ARROWNECK

- REPLACE HOSES FOR REMOTE OIL FILTER.

5525

11-JAN-17

~~811~~ HRS.

- Replace TURBO Actuator, Clear codes.

13-JAN-17 5548 HRS Arrowneck

- 250HR Service NO FF.
- Check worn Hoses. and clamps.

FEB/6/17 5820 HRS @ ARROWNECK

- 250 HR SERVICE W FF

MAR 7/17 5930 HRS @ ARROWNECK

- WELD UP GRAPPLE CYLINDER BARRELEND - 4 TINE SIDE.
- TIGHTEN UP BOOM CYLINDER GUARD.

MAR 31/17 6085 HRS @ TAITE

- REPLACE TIP + REBUILD TINE 4 TINE SIDE.
- R + R GRAPPLE CYLINDER 4 TINE SIDE

5-~~MAR~~ APRIL-17 6117 HRS @ TAITE CRK.

- 250 HR Service NO FF.
- TIGHTEN LOOSE TRACK PAD bolts.

APR 11/17 6145 HRS @ TAITE CRK

Motor tag 157-0082-005

- 1000 HR SERVICE. FINALS, SWIVEL, SWIVEL GEAR BOX, INNER AIR HYDRAULIC FILTERS, CASE DRAIN. REMOVE ROTATE MOTORS + SWIVEL

REBUILD + INSTALL. INSTALL NEW AC PUMP + BRACKET. INSTALL NEW AC DRYER + CHARGE SYSTEM (1.6 KG - 3.67 lbs) New part # DM400223 TO FIT Pump & Valve SHORTER

Replace 4 tong GRAPPLE cyl with new from BRANDT.

9-MAY-17 6245 HRS @ TAITE.

- Replace leaking tong cyl on 3 tong Grapple side.
- ~~NO CAN REBUILD Replace motor Rem Seal (HIGH P87).~~
- Blown & Replace SHUTTERS in Head DAMAGED & DESTROYED AS ALWAYS FOUND. THEY REFUSED.
- Resisted Swivel leakage not sure how much we & Harold have .???. nothing wrong with Seals !!

16-May-17

HRS @ North Taite.

- Replace Jaws valve section and seals.
- Replace A/C compressor and Receiver dryer and charge
- TIGHTEN TRACK pad bolts and replace others.
- Replace burnt work light bulb.
- Remove and replace hose clamps under boom.
- Remove valve cover filler (leaking) JB weld and Reinstall.

9-June-17 6379 HRS @ TAITE.

- 250HR Service w/fuel filters.

JUN 14/17 6410 HRS @ TAITE

- WELD ON NEW TIP 4 TINE SIDE

23-June-17 6468 HRS @ TAITE

- Remove and replace Radiator. Refill w/new coolant.
- Remove and replace fuel lift pump.

10-5-July-17 6539 HRS @ PIN.

- Cut out broken track link press in repair link.
- Repair Hyd leak @ grapple rotate manifold.

10-July-17 6575 HRS @ PIN.

- Replace A/C Condenser fan.

JULY 20/17 6660 HRS @ OCTOPUS

250 SERVICE NOFF

Aug, 3/2017 6727 HRS @ Shop

- Replace 4 gowbelled rollers. Lt side closest to sprocket, replace both sprockets, pads + rails
 - Shim grapple tongs, replace Idler pulley, belt tensioner + water pump, ~~and~~ replace belt + add new coolant 50/50 mix, replaced lower rod hose as well, Repair V/C #6 ASlet
 - Strengthened stick cyl sawed
- BRANT ITR sprockets, cast PADS & RAILS General Duty
PN. 484-9177 PADS Links 449-2676 449-2675

SEPT 19/17 6907 HRS @ NIGHTMARE

Service 250 HRS include FFBS.

check oil leak V/C CRACKED Almost new.

FAB & weld new grapple TIP on & GRAPPLE TOWBAR
CRACK. weld HAMPBACK BACKON

JB weld V/C For now & clean engine.

25-OCT-17 7140 HRS @ CANYON.

- Replace hyd line from valve to boom foot.
- check for hyd leak in grapple.
- Check Broken wiper.

31-OCT-17 7181 HRS @ West Watson.

- 250 HR Service no FF.

DEC 17/17 7453 HRS @ BIGGER

250 SERVICE W FF

REPLACE GRAPPLE TIP 3TINE SIDE

JAN 8/18 7540 HRS @ BIGGER

- CHANGE OUT EGR COOLER + THERMOSTATS.

FEB 15/18 7754 HRS @ GRIZZLY

- 250 SERVICE NO FF

- CHANGE GRAPPLE CYLINDER 3TINE SIDE

5-MAR-18 7884 HRS @ Stoney.

- DRILL OUT Broken Bolts on bell housing for muffler Bracket
- Replace pilot pump.
- Replace fuel pressure switch.

Mar, 19, 2018 7988 HRS @ Stoney

Change out turbo + remote oil lines

Replace rubber elbow to suction side compressor

+ hi-pin boot leaving compressor

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- CHANGE CABBAGE CABBAGE 3 LINE 2 DE
- 520 ZEBRAICE NO EF
ZEBRA 2 J24 H82 @ CABBAGE

- CHANGE CABBAGE CABBAGE 3 LINE 2 DE
ZEBRA 2 J24 H82 @ CABBAGE

8 E 6 TACE CABBAGE 4 B 3 LINE 2 DE
520 ZEBRAICE NO EF
ZEBRA 2 J24 H82 @ CABBAGE

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17-APR-18 8156 HRS. @ STONEY.

- 250 HR service w/Full.
- Replace missing Intake air mount bolts.
- Gauge of HD and weld on new, weld on Round Stock and fill GAP.

5-June-18 8458 HRS. @ Shop.

- 250 HR service no FF. with check all grapple wiring NFF
- 1000 HR service Finals, Swing, Return filter, Hyd oil.
- * Replace all track bottom rollers. ITR From BRANDT.
- BRANDT, Ashton cutter. Replaced smothered Engine FEM. Also a.
- MISS Replaced Fuel injection. Pmp. Swaption Control Valve now running smooth.

July, 23, 2018 8696 HRS @ Stoney

Grapple stopped working entirely, 24v to pilot solenoid, disassembled pilot spool under solenoid. was a bit sticky, buffed with plastic spiral brush on drill, seemed to be more free & grapple worked after

Aug, 10, 2018 8800 HRS @ East barns

250 HR service with FIF. Replace elbow from muller to out side eng. bay
Weld face plate back onto grapple.

Replace Cowbelled roller Rt side very front went FIRST 10 HRS. There is a 2nd one went 34 HRS. Lt side very front

Sept, 12, 2018 8928 HRS @ Gold stream

Fix alternator wiring @ 2 wire plug 10" down from alternator, plug wire broke internally

OCT 11/2018 9129 HRS @ mica.

service 250 HRS no FF'S. Done BY STU.

Nov, 29, 2018 9380 HRS @ Trout

250 HA with FIF

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22nd Nov 1958

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NOV 15/18 9336 HRS @ BRANDT.

KAMLOOPS. BRANDT. See invoice

Reseal BOTH CRANKLE CYLS DURING next MAINT. Repair oil leak in CRANKLE.

Reseal & Re bearing HYD Pump Drive leaking no oil in it

Pulvate alternator belt, A/C belt and Adjuster

Repair Secondary CAB Bait Lock, Door Seal Loose, Rear Cab Light
LOW coolant top up & PSI test.

TURBINE HOPE HOLE Valve. to Boom leaking.

They check DTC'S.?

NOV 26-30/18 9370 HRS @ TRAUT.

HYDS are pulsating or surging & no codes, check all previous repairs doesn't seem to be problem. SM says as soon as it came back was like that.

- Push CRANKLE FLOAT CRANKLE TONKS close TYER FORD. Wire STRIP pushed together close wire to FLOAT Power wire touching each other.

They have been adding Pump Drive oil to pump Drive! IS IT still leaking?

NOV 30/18 9380 HRS @ TRAUT.

KAMLOOPS BRANDT mechanic come and found speed sensor ~~is~~ for HYD'S in Bell Housing FRAGMENT will look BARE on it & cooked.

Re repaired and its good now. TALK TO SM ABOUT possible pump drive leaking.

Dec 5, 2018 9409 HRS @ Trout

Ice log

[REDACTED SECTION]

Feb 6, 2019 9685 HRS @ Trout

250 HR service No F/F
replace & 6 injector Brandt diagnosed.

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

Jan 12/19 9505 hrs @ Trent

BRADY TRUMAN Ashton called. Resealed. Pump Drive 2nd Time. Workers did first time Seal was install works.

Jan 23/19 9613 hrs @ Trent
Refill. Pulling 10 liter. Cond test battery. oil. Replace VCI actuator. with updated actuator.

Jan 25/19 9633 hrs @ Trent
BRADY TRUMAN Bin Pulverizer Hammer Balance & front eye seal. Below 4500 hrs on it changed. send #6 input BPO (check ms).

Feb 6/19 9685 hrs @ Trent
Service 250 hrs. no FIF. Replace the input. & tube. DIRT fix problem.

Feb 7/19 9690 hrs @ Trent
Takes 7 hrs to start. Gears Pices not working HAS Bar - 220c.

unplug fan now? STA to enter in Am no power @ main + terminal plug in org Hammer. This will be fixed in Am & Smoke. not a mis

6-March-19 9854 hrs @ Trent loco

- Replace #3 Glow plug test system function. - Deal broken Balis Remount RH Beam Light

#3 Glow Plug was swamped out 50amp fuse for Glow Plug circuit

Mar, 21, 2019 9941 hrs @ Trent

250 + 1000 HK Services. with PFS

inner A/F, HD return, Pilot change find oil 800/90

no swing change. THIE HD SOS. Blown Hot test

HD oil sight glass showing 50 HD oil changed. on locotr

Service took HD oil SOS. Good

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Second section of handwritten notes, possibly a list or a series of observations.

Third section of handwritten notes, continuing the text from the previous section.

Fourth section of handwritten notes, appearing as a distinct paragraph.

Fifth section of handwritten notes, possibly a conclusion or summary.

Sixth section of handwritten notes at the bottom of the page.

27-MARCH-19 9979 HRS @ Shelter Bay.

- Replace Hyd tank sight glass.
- Replace fuel water separator.
- Replace pilot line for Aux system
- Replace Hyd line from stick to grapple
- Reinstall boom light.
- Remove Boom - stick cylinders to Nagys for repair.

5-June-19 10,263 HRS

- 250 HR Service No FF.
- Weld grapple tip back on and weld multiple cracks.
- Remove and Replace grapple Rotate motors ? test * *

June, 24, 2019 10343 HRS @ Pearson

Jerry's Diesel deleted EGR as it cracked again, Cost of 1500\$ (3000+\$ to replace.

Built block off plates for intake pipe on manifold + exh manifold. Ran coolant hose ~~from~~ ^{3/4" x 3'} to join coolant lines + wrapped with heater hose heat tape. Dump + replace eng oil.

Replace Jaws open/close grapple oil.
TYLER DIN out & FILTER get replaced.?

16-July-19 10,388 HRS @ Pearson.

- drain Hyd oil and Replace w/new return filter
- Remove stick cylinder for repair @ Nagys

19-July-19 10,388 HRS @ Pearson.

- Reinstall stick cylinder w/new O-rings
- Replace 4 work lights atop CAB
- cutoff RH Boom Light mounts and weld on new mounts.

1-AUG-19 10,462 HRS @ Pearson

- check RH Finet over full travel motor leaking in
- pull codes, Complaint of Eng miss Low power
- 1569 FMI 31, 2790-16, 103-0, 1347-7 and cleared all codes.

9-AUG-19 10,493 @ Shelter Bay

- Replace fuel Rail pressure sensor - Clear Codes.

1. The first step in the process of photosynthesis is the absorption of light energy by chlorophyll a and b.

2. Light energy is converted into chemical energy in the form of ATP and NADPH during the light-dependent reactions.

3. The Calvin cycle uses the chemical energy from ATP and NADPH to fix carbon dioxide into glucose.

4. The overall equation for photosynthesis is: $6CO_2 + 6H_2O \rightarrow C_6H_{12}O_6 + 6O_2$

5. The light-dependent reactions occur in the thylakoid membranes of the chloroplasts. Light energy is used to split water molecules, releasing oxygen gas and protons. Electrons from the water are transferred to photosystem II, then to photosystem I, and finally to NADP+.

6. The Calvin cycle takes place in the stroma of the chloroplast. It is a cyclic pathway that uses the ATP and NADPH produced in the light-dependent reactions to convert carbon dioxide into glucose.

7. The rate of photosynthesis is affected by several factors, including light intensity, carbon dioxide concentration, and temperature. The light intensity and carbon dioxide concentration are the most limiting factors.

AUG 21/19. 10510 HRS @ Shelter Bay.

Jerry's Diesel REPAIRED computer Have Codes.
Related to possible relate 1569-31 Derate Code For
2790-16. outlet turbo temp HIGH

AUG 22/19. Codes came back on & Diesel
outlet turbo temp is calculated from EGRtemp
turbo inlet temp; change Air Temp

Jerry removed entire codes on Fuel RATE PSI!!! No

23-AUG-19 10,574 HRS. @ Shelter Bay.
-250 HR Service w/Fuel.

SEPT 9/19 10,640 @ THOR

- REMOVE BROKEN BOLT FROM SWING MOTOR HOSE ON
VALVE BANK

Nov, 5, 2019 11,004 HRS @ ~~Mesa~~ Red rock.

Install cab windshield, replace grapple
cyl 3 tong side (Bypassing)

Nov, 26, 2019 11,151 HRS @ Killeen

250 HR service with FIF, Install spare rebuilt
grapple cyl. 4 tong, Replace O-rings on machine
swing crossover reliefs top left, Replace O-rings
in rotate float block.

Dec 12-13/19 _____ HRS @ Killeen

ENGINE RUNNING ROUGH, MISSING. CANNOT RUN

Are no codes. ASHTON FROM BRADNOT CAME OUT

Fuel Rate Pressure TO HIGH CANNOT START RETURN

Replace Fuel Rate PSI sensor connection & wiring.

NO codes why not Jerry's Diesel took out.

Should have been in here. 1347-07. Finsure.

Replace FF O-rings on Filter Bowl as well

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11/21-22

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WIDE BANK

- BEWARE BROKEN BOTTLE BODIES 2 MINUTE WOODS...
REAR 10 40 100 150

- 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000

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Dec, 17, 2019 11,268 HRS @ Killeen
Replace + plate (10"x3"x3/8") grapple tip x 2
outer on 4 tong

JAN 14, 2020 @ SADDLE LOOKOUT
REPLACE GLOW PLUG RELAY, REPAIR WIRING.

FEB 4, 2020 11450 HRS @ RENATA
REPLACE SEAT, DIAGNOSE FUEL WATER SEPARATOR

FEB 6, 2020 11450 HRS @ RENATA
CHANGE OUT STARTER. CHANGE OUT WATER SEPARATOR.
SENSOR, DIAGNOSE #4 GLOW PLUG SHORTED.

Feb 7/20 11457 HRS @ Renata. 30 km
BRADY JOAN Deer from Vemen, won't start. GOT RUNNING
with problems. #5 injector FAILED. Replace #5 injector
still HAD MISS. Found RAC relief loose & leaking fuel
tightened up. Running Good - BUT check engine light on no codes
Very to fix PROBLEM.
#4 Glow Plug - SHORTED. REPLACED ALL Glow Plugs. FOR
cold start issue #4 would short out fuse BUT water
check out @ 1.2. Like all others. Isolate each one
to blow fuse link

Feb 14/20 _____ HRS @ Renata
Running Rough AGAIN @ HIGH IDLE Jim Brake each fuel
line #5 seems NOT right.

Feb 18/20 _____ HRS @ Renata, would not start cold.
BRADY Vemen Mechanic Tested. Replaced Suction Control Valve
still Problem. Replaced fuel Relief Valve. still Problem. Replaced
RAC PSF sensor Pump Running Good. NOYD FILTER Restriction
Went on. Heater motor not working properly. He didn't test
STN said we would do.

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