

STK 1049047

Inspection for Tractors PowerGuard										
Inspected By	Gareth Wurzer									
Completed On	3-12-21									
Customer	Park Midwest									
Make / Model	JD 8370R									
Model Year										
Serial Number	1RW8370RLFD 108540									
Warranty										
<input checked="" type="checkbox"/> No Warranty										
<input type="checkbox"/> Original Warranty / End Date										
<input type="checkbox"/> Extended Warranty / End Date										
Warranty Notes										
ENGINE, COOLING AND FUEL SYSTEMS	New	Good	Usable	Repair	Replace	N/A	Notes	Parts	Labor	Total
Block, cyl. head, valve cover, oil pan and gaskets		X								
Air intake, filter, tubes, hoses & clamps		X								
Radiator, cap, water pump, hoses & tubes		X								
Exhaust system pipes, muffler & turbo		X								
Inj. pump, fuel lines, tank & fuel filter		X								
Crankshaft, damper, and pulleys		X								
Engine running test for power, leaks, unusual noises, smoke, misses, blowby, and compression		X								
POWERTRAIN	New	Good	Usable	Repair	Replace	N/A	Notes	Parts	Labor	Total
Clutch, pedal & controls operation, slip check		X								
PTO clutch & brake operation		X								
Transmission & controls operations		X								
Rear axles, housings, seals and bearings, final drives		X								
Any leaks or noises?		X								
Differential lock operation		X								
MIFWD housing, seals, u-joints & operation		X								
Oil, filters, breathers and screens		X								
HYDRAULICS SYSTEM:	New	Good	Usable	Repair	Replace	N/A	Notes	Parts	Labor	Total
Main pump, pump drive, and operation		X								
Rockshaft, EH hitch, operation & cycle time		X								
Draft sensing system and operation		X								
SCV's, operation and cycle time		X								
Any leaks or noises?		X								
Lines, hoses, and clamps condition		X								

	New	Good	Usable	Repair	Replace	N/A	Notes	Parts	Labor	Total
ELECTRICAL SYSTEMS:										
Battery, cables and wiring harness		X								
Starter switch, motor & neutral safety system		X								
Lights, warning lights, & turn signals		X								
Tachometer, gauges and indicator lights		X								
STEERING & BRAKES	New	Good	Usable	Repair	Replace	N/A	Notes	Parts	Labor	Total
Steering valve, motor, cylinders & hoses		X								
Steering operation and free travel		X								
Tie rods, drag link & steering arm		X								
Front axle, pivot bushings, spindle bearings, wheel bearings and hubs		X								
Brake valve and brake operation		X								
OPERATORS STATION	New	Good	Usable	Repair	Replace	N/A	Notes	Parts	Labor	Total
Seat condition & operation		X								
Cab, glass, upholstery & moldings condition		X								
Heater & A/C systems and operation		X								
Door, latch, and hinges condition & operation		X								
MISCELLANEOUS	New	Good	Usable	Repair	Replace	N/A	Notes	Parts	Labor	Total
Draw bar, 3 pt. mounts, links and couplers			X							
Chassis, frame, weights and hardware			X							
Sheet metal & paint condition & appearance			X							
Wheel & tire condition and appearance			X							
SAFETY EQUIPMENT	New	Good	Usable	Repair	Replace	N/A	Notes	Parts	Labor	Total
Oil, fuel and coolant leaks		X								
All safety shields, covers, and shrouds		X								
SMV, safety decals and warning devices		X								
Steps, handrails, fenders and guards		X								



Sample Analysis Report

Bureau Veritas Oil Condition Monitoring -
2450 Hassell Rd, Hoffman Estates, IL - 60169
800-222-0071

Status: NORMAL

Account Information

Lab Customer ID#: 68081
Company Name: P & K Midwest
Company Worksite: JDA Sumner, IA
Company Address: Sumner, IA, 50674
1414 W 1st St.

Sample Information

Lab No.: 202103160964
Sample Tracking #: s20191231003700
Sample Date: Mar 11, 2021
Received Date: Mar 16, 2021
Completed Date: Mar 18, 2021

Other Sample Information

PO No.:
Work Order No.: 8973401
Reference No.: 8973401
Filter Age: 0

Unit Information

Unit ID: 1RW8370RLFD108540
Unit Mfg: DEERE
Unit Model: 8370
Unit Serial #: 108540
Unit Worksite:

Component Information

Cpnt. Description: ENGINE
Cpnt. Mfg: DEERE
Cpnt. Model: 8370
Cpnt. Serial #: 1RW8370RLFD108540
Cpnt. Type: ENGINE

Fluid Information

Fluid Manufacturer: DEERE & CO.
Fluid Brand/Product: PLUS-50 II
Fluid Grade: 15W40

Maintenance Recommendations for Lab No.: 202103160964

Evaluated By: Stephen Kullas - Data Analyst
ANALYSIS INDICATES COMPONENT & OIL ARE IN SATISFACTORY CONDITION. RESAMPLE at normal interval.

SPECTROCHEMICAL ANALYSIS PPM

		Wear Metals				Contaminants				Additives												
LAB NO.	SAMPLE DRAWN	Iron	Chromium	Nickel	Aluminum	Lead	Copper	Tin	Silver	Titanium	Vanadium	Silicon	Sodium	Potassium	Boron	Molybdenum	Phosphorus	Zinc	Calcium	Barium	Magnesium	Antimony
0964	03/11/21	97	2	3	<1	2	5	<1	<0.1	<1	<1	16	3	2	161	295	835	1173	1582	2	947	<1

SAMPLE INFORMATION

LAB NO.	SAMPLE DRAWN	UNIT	FLUID	UOM	FILTER	LUBE
0964	03/11/21	4081	HR	-	CHG.	SERVICE

FLUID PROPERTIES/CONTAMINANTS

Water	Visc Grade	Soot ABS/cm	Fuel #
<0.1	40	0.2	<0.50

D7279 Vis
100 °C
13.6

KEY: UoM - Unit of Measure Y - Yes N - No C - Changed S - Sampled > - Greater Than < - Less Than N/R - Not Reported (M) - Modified Method

This analysis is intended as an aid in predicting mechanical wear. Test results, maintenance recommendations and accuracy are affected by customer provided samples, equipment identification, maintenance history and apply only to this sample as provided. No guarantee, expressed or implied, is made against failure of this piece of equipment or a component thereof. The ultimate responsibility for the maintenance of this piece of equipment and all its components is the responsibility of the equipment owner. Testing performed by Bureau Veritas, an ISO/IEC 17025:2017 accredited laboratory by ANAB. Certificate and scope of accredited methods can be found at <https://oil-testing.com/fiso-17025-quality-program/>. For further details on outsourced testing, contact the laboratory directly. For a list of tests and associated methodologies, refer to <http://www.bureauveritas.com/oil-analysis>.



Sample Analysis Report

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2450 Hassell Rd, Hoffman Estates, IL - 60169
800-222-0071

Status: **NORMAL**

Account Information

Lab Customer ID#: 68081
Company Name: P & K Midwest
Company Worksite: JDA Sumner, IA
Company Address: Sumner, IA, 50674
1414 W 1st St.

Sample Information

Lab No.: 202103160965
Sample Tracking #: s20200103004454
Sample Date: Mar 11, 2021
Received Date: Mar 16, 2021
Completed Date: Mar 18, 2021

Other Sample Information

PO No.:
Work Order No.: 8973403
Reference No.: 8973403
Filter Age: 0

Unit Information

Unit ID: 1RW8370RLFD108540
Unit Mfg: DEERE
Unit Model: 8370
Unit Serial #: 108540
Unit Worksite:

Component Information

Cpnt. Description: HYDRAULIC
Cpnt. Mfg: DEERE
Cpnt. Model: 8370
Cpnt. Serial #: 1RW8370RLFD108540
Cpnt. Type: HYDRAULIC

Fluid Information

Fluid Manufacturer: DEERE & CO.
Fluid Brand/Product: HY-GARD
Fluid Grade:

Maintenance Recommendations for Lab No.: 202103160965

Evaluated By: **Stephen Kullas - Data Analyst**
ANALYSIS INDICATES COMPONENT & OIL ARE IN SATISFACTORY CONDITION. RESAMPLE at normal interval.

SPECTROCHEMICAL ANALYSIS PPM

		Wear Metals				Contaminants				Additives												
LAB NO.	SAMPLE DRAWN	Iron	Chromium	Nickel	Aluminum	Lead	Copper	Tin	Silver	Titanium	Vanadium	Silicon	Sodium	Potassium	Boron	Molybdenum	Phosphorus	Zinc	Calcium	Barium	Magnesium	Antimony
0965	03/11/21	67	1	<1	7	4	29	<1	0.2	<1	<1	12	6	7	23	2	894	1179	3568	1	68	<1

SAMPLE INFORMATION

LAB NO.	SAMPLE DRAWN	UNIT	UOM	TIME	FILTER LUBE CHG.	LUBE SERVICE
0965	03/11/21	4081	HR	-	-	-

FLUID PROPERTIES/CONTAMINANTS

Property	Value
Water	<0.1
D7279 Vis	47.3
40 °C	

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2450 Hassell Rd, Hoffman Estates, IL - 60169
800-222-0071

Status: NORMAL

Account Information

Lab Customer ID#: 68081
Company Name: P & K Midwest
Company Worksite: JDA Summer, IA
1414 W 1st St.
Company Address: Sumner, IA, 50674

Sample Information

Lab No.: 202103310383
Sample Tracking #: [Blank]
Sample Date: Mar 25, 2021
Received Date: Mar 31, 2021
Completed Date: Apr 07, 2021

Other Sample Information

PO No.: [Blank]
Work Order No.: 8973402
Reference No.: 8973402

Unit Information

Unit ID: 1RW8370RLFD108540
Unit Mfg: DEERE
Unit Model: 8370
Unit Serial #: 108540
Unit Worksite: [Blank]

Component Information

Cpnt. Description: COOLANT
Cpnt. Mfg: DEERE
Cpnt. Model: 8370
Cpnt. Serial #: 1RW8370RLFD108540
Cpnt. Type: COOLANT

Fluid Information

Fluid Manufacturer: DEERE & CO.
Fluid Brand/Product: COOL GARD II
Fluid Grade: EG

Maintenance Recommendations for Lab No.: 202103310383

Evaluated By: Elizabeth Nelson - Data Analyst
ANALYSIS INDICATES THE COOLANT CONDITIONS ARE ACCEPTABLE Based upon the testing performed, this coolant is suitable for continued service. RESAMPLE at the next scheduled interval.

SPECTROCHEMICAL ANALYSIS PPM

LAB NO.	SAMPLE DRAWN	Wear Metals			Contaminants			Additives							
		Iron	Aluminum	Lead	Copper	Tin	Silicon	Sodium	Potassium	Boron	Molybdenum	Phosphorus	Zinc	Calcium	Magnesium
0383	03/25/21	1	<1	1	5	<1	166	3723	329	782	116	138	5	1	<1
0667	03/11/21	5	1	1	27 *	1	78	3462	711 *	711	113	47	29 *	2	2

SAMPLE INFORMATION

LAB NO.	SAMPLE DRAWN	UNIT TIME	FLUID TIME	UOM	FILTER CHG.	LUBE SERVICE
0383	03/25/21	4081	2	HR	-	-
0667	03/11/21	4081	-	HR	-	-

FLUID PROPERTIES/CONTAMINANTS

Color	Clarity	pH	D1121 RA /ml	ELC Corr Inhibit	Freeze Pt.	Antifreeze %
Dark Yellow	Clear	8.10	7.9	Pass	-40	55
Dark Yellow	Clear	7.52	5.3	Pass	-40	55

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Status:  NORMAL



FLUID PROPERTIES/CONTAMINANTS

Hardness	Odor	Magnetic Precipitate	Conductivity μ S	Oil	Non-Magnetic Precipitate	Foam	Fuel	Nitrite ppm
<10 13.0	None None	None None	3862 4022	None None	Low Flakes Low Flakes	None None	None None	<25 <25