

**LEWIS COUNTY CENTRAL SHOP**  
**Arlie Champ**  
**109 FOREST NAPAVINE RD**  
**Chehalis, WA 98532**

FAX: 360-740-2685  
 PHONE: 360-740-1150  
 SAMPLE TYPE: **OIL**  
 SAMPLE SHIP TIME (days): 4

COMPANY NAME: LEWIS COUNTY CENTRAL SHOP  
 CUSTOMER EQUIP NUM: 26-105  
 COMPARTMENT NAME: ENGINE  
 SERIAL NUMBER: LC440  
 MANUFACTURER: JOHN DEERE  
 MODEL: 310SG DEERE  
 JOB SITE: EXT WARR NUMBER:

SHOP JOB NUM: 4096  
 COMP SERIAL NUM:  
 COMPARTMENT MODEL:  
 COMP MANUFACTURER:  
 SAMPLE LABEL NUM:  
 FLUID BRAND/WEIGHT: UNION76/15W-40  
 FLUID TYPE:  
 EXT WARR EXPIRE DATE:  
 FUEL CONSUMED:

**SOS Services Laboratory**  
**17025 West Valley Highway**  
**Tukwila, WA 98188-5519**  
**800-562-4735**



LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METTER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
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H330-46200-1143	14-Jul-2016	18-Jul-2016	4768 HR	249 HR	Yes			Yes
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**No Action Required**  
 WEAR METAL READINGS APPEAR NORMAL. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.

H330-46027-1113	26-Jan-2016	27-Jan-2016	4519 HR	239 HR	Yes			Yes
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**No Action Required**  
 WEAR METAL READINGS APPEAR NORMAL. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.

H330-45209-3031	27-Jul-2015	28-Jul-2015	4280 HR	269 HR	Yes			Yes
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**No Action Required**  
 THIS SAMPLE APPEARS NORMAL. CONTINUE SAMPLING AT THE NORMAL INTERVAL.

H330-45009-1075	06-Jan-2015	09-Jan-2015	4011 HR	525 HR	Yes			Yes
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**No Action Required**  
 THIS SAMPLE APPEARS NORMAL. CONTINUE SAMPLING AT THE NORMAL INTERVAL.

Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	B	Mo	Ni	Ag	Ti	V	Mn	Cd	Cd	Mg	Zn	P	Ba	
H330-46200-1143	1	19	0	3	3	0	4	3	0	7	4	1	0	1	0	0	0	0	2373	21	1182	978	0
H330-46027-1113	1	17	1	3	3	0	3	4	0	30	7	1	0	1	0	0	0	0	2450	27	1220	998	0
H330-45209-3031	1	24	0	3	3	0	4	3	1	26	9	1	0	1	0	0	0	0	2176	30	1140	936	0
H330-45009-1075	1	16	0	2	2	0	3	0	1	40	4	0	0	9	0	0	0	0	2100	47	1123	941	0

Oil Condition / Particle Count (cf/ml)	ST	OXI	NIT	SUL	W	A	F	V100
H330-46200-1143	21	15	7	20	N	N	N	14.4
H330-46027-1113	21	15	7	20	N	N	N	14.2
H330-45209-3031	28	15	7	20	N	N	N	14.4
H330-45009-1075	21	15	7	19	N	N	N	14.6

Ag = Silver, Al = Aluminum, B = Boron, Ca = Calcium, Cr = Chromium, Cu = Copper, Fe = Iron, P = Phosphorus, K = Potassium, Li = Lithium, Mg = Magnesium, Mo = Molybdenum, Na = Sodium, Ni = Nickel, Pb = Lead, Si = Silicon, Sn = Tin, S = Sulfur, V = Vanadium, Zn = Zinc, A = Antifreeze, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content, PQI = Particle Quantifying Index, NAV = Salt Water, FLPI = Flash Point, TAN = Total Acid Number, TBN = Total Base Number, H2O = Karl Fisher result, V100 = Viscosity@100C, V40 = Viscosity@40C  
 Notice: This analysis is intended as an aid in predicting mechanical wear. No guarantee, expressed or implied, is made against failure of this piece of equipment or a component thereof.

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