

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): 3

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: 1361
 COMP SERIAL NUM:
 COMPARTMENT MODEL:
 COMP MANUFACTURER:
 SAMPLE LABEL NUM:
 FLUID BRAND/WEIGHT: UNION7/15W-40
 FLUID TYPE:
 EXT WARR EXPIRE DATE:
 FUEL CONSUMED:

NC MACHINERY

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



LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
--------------------	-------------	--------------	-----------------	----------------	---------------	---------------	---------------------	----------------

H330-45009-1075 16/15 19/15 4011 HR 525 HR Yes

H330-43294-1143 10/15/13 10/21/13 3486 HR 191 HR Yes
 No Action Required THIS SAMPLE APPEARS NORMAL. CONTINUE SAMPLING AT THE NORMAL INTERVAL.

H330-43162-1072 6/5/13 6/11/13 3295 HR 302 HR Yes
 No Action Required THIS SAMPLE APPEARS NORMAL. CONTINUE SAMPLING AT THE NORMAL INTERVAL.

H330-42270-1088 9/20/12 9/26/12 2993 HR 249 HR Yes
 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	Ca	Mg	Zn	P	Ba
H330-45009-1075	1	16	0	2	2	0	3	0	1	40	4	0	0	9	0	0	0	2100	47	1123	941	0
H330-43294-1143	1	22	1	4	2	0	4	4	2	123	7	1	0	87	0	0	0	2046	324	1320	1075	0
H330-43162-1072	2	30	1	4	2	0	4	3	1	31	3	2	0	2	0	0	0	3482	123	1423	1159	0
H330-42270-1088	1	24	1	4	2	0	4	1	0	30	3	1	0	2	0	0	0	3334	114	1349	1134	0

Oil Condition / Particle Count (ct/ml)	ST	OXI	NIT	SUL	W	A	F	V100
H330-45009-1075	21	15	7	19	N	N	N	14.6
H330-43294-1143	18	20	11	18	N	N	N	15.3
H330-43162-1072	23	16	9	21	N	N	N	14.8
H330-42270-1088	21	16	9	23	N	N	N	14.7

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

Ag = Silver, Al = Aluminum, B = Boron, Ca = Calcium, Cr = Chromium, Cu = Copper, Fe = Iron, P = Phosphorus, K = Potassium, Mg = Magnesium, Mo = Molybdenum, Na = Sodium, Ni = Nickel, Pb = Lead, Si = Silicon, Sn = Tin, V = Vanadium, Zn = Zinc, A = Antifreeze, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content, PQI = Particle Quantifying Index, NetW = Salt Water, FL Pt = 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.