

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

FAX: 360-740-2885
 PHONE: 360-740-1150
SAMPLE TYPE: OIL
 SAMPLE SHIP TIME (days): 4

COMPANY NAME: LEWIS COUNTY CENTRAL SHOP
 CUSTOMER EQUIP NUM: 19-101
 COMPARTMENT NAME: ENGINE
 SERIAL NUMBER: LC532
 MANUFACTURER: FORD
 MODEL: F690 FORD
 SHOP JOB NUM: 4065
 COMP SERIAL NUM:
 COMPARTMENT MODEL:
 COMP MANUFACTURER: CUMMINS
 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 METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
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H330-46200-1140	14-Jul-2016	18-Jul-2016	3161 HR	143 HR	Yes			Yes
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WEAR METAL READINGS APPEAR NORMAL. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.								
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H330-45364-1063	28-Dec-2015	30-Dec-2015	3018 HR	89 HR	Yes			Yes
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THIS SAMPLE APPEARS NORMAL. CONTINUE SAMPLING AT THE NORMAL INTERVAL.								
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H330-45083-1065	23-Mar-2015	24-Mar-2015	2929 HR	190 HR	Yes			Yes
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WEAR METAL READINGS APPEAR NORMAL. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.								
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H330-44108-1073	11-Apr-2014	18-Apr-2014	2739 HR	244 HR	Yes			Yes
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POTASSIUM, IRON, CHROME AND ALUMINIUM HAVE INCREASED AND MAY INDICATE SOME INCREASED RING, CRANK AND LINER WEAR. RESAMPLE IN 250 HOURS TO MONITOR THE COMPARTMENT.								
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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
H330-46200-1140	1	11	1	2	2	0	2	3	5	8	2	0	1	0	0	0	0	2305	18	1171	994	0
H330-45364-1063	2	13	1	5	1	0	3	3	10	49	12	0	1	0	0	0	2396	42	1280	1146	0	
H330-45083-1065	2	15	2	4	2	0	2	0	6	49	3	0	0	11	0	0	2140	51	1162	973	0	
H330-44108-1073	5	23	3	7	2	0	3	6	12	272	20	0	0	82	0	0	2107	336	1467	1205	0	

Oil Condition / Particle Count (ct/ml)	ST	OXI	NIT	SUL	W	A	F	V100
H330-46200-1140	0	13	5	19	N	N	N	13.4
H330-45364-1063	3	13	4	16	N	N	N	13.2
H330-45083-1065	8	13	5	20	N	N	N	14.3
H330-44108-1073	11	15	7	19	N	N	N	14.8

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, PCI = Particle Quantifying Index, NAV = Salt Water, FL P = 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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