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**EQUIPMENT**

EQUIP NUM: ALCHEMY  
 SERIAL NUMBER: 4JDXM068069  
 MODEL : 6068SFM50  
 MANUFACTURER : DEERE  
 COMPANY NAME : DENNIS MARINE SERVICE  
 JOB SITE :  
 AREA:  
 REGION:

**SAMPLE INFORMATION**

COMPARTMENT NAME : ENGINE MAIN  
 COMP SERIAL NUM:  
 COMPARTMENT MODEL :  
 LABEL#: QC  
 SHOP JOB NUM :  
 SAMPLE TYPE: OIL  
 SAMPLE SHIP TIME (days) : 4  
 SAMPLE LOCATION :

Interp By: Tony Finney

**Action  
 Required**

UNKNOWN HOURS ON THE OIL. LEAD IS HIGH AND MAY INDICATE BEARING WEAR. ALL OTHER ANALYSIS READINGS APPEAR NORMAL.  
 MORE SAMPLE HISTORY NEEDED TO ESTABLISH A NORMAL WEAR TREND. CUT OPEN FILTER(S) AND INSPECT FOR DEBRIS. CHANGE  
 OIL AND FILTER(S) AND RESAMPLE IN 10 HOURS TO MONITOR.

LAB #

H430-51110-3005

PROCESS 20-Apr-21  
 DATE

**WEAR/CONTAMINATION - ADDITIVES/FORMULATION**

SAMPLE DATE	SAMPLE ID	METER ( HR )	METER ON FLUID	FLUID CHANGE	FILTER CHANGE	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	Mo	Ni	Ag	Sb	Ti	V	Ca	P	Zn	Mg	Ba	B
16-Apr-21	H430-51110-3005	1250		U		3	29	0	2	51	1	4	6	0	165	1	0	0	0	0	5499	1808	2068	210	0	417

**OIL FORMULATION - OIL CONDITION - OIL CONTAMINATION**

SAMPLE DATE	SAMPLE ID	METER ( HR )	METER ON FLUID	FLUID BRAND	FLUID TYPE	FLUID WEIGHT	FLUID CHANGE	FILTER CHANGE	V100	ST	OXI	SUL	NIT	W	A	F	PFc
16-Apr-21	H430-51110-3005	1250					U		15.2	0	15	20	8	N	N	N	0.70

Cu = Copper, Fe = Iron, Cr = Chromium, Al = Aluminum, Pb = Lead, Sn = Tin, Si = Silicon, Na = Sodium, K = Potassium, B = Boron, Mo = Molybdenum, Ni = Nickel, Ag = Silver, Ti = Titanium, Sb = Antimony, Ca = Calcium, Mg = Magnesium, Zn = Zinc, P = Phosphorus  
 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 NaW = Salt Water, FI Pt = Flash Point, TAN = Total Acid Number,  
 TBN = Total Base Number, H2O = Karl Fisher Result, V100 = Viscosity at 100C

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.