	CUSTOMER EQUIP NUM :	354UX312566	SHOP JOB NUM :
	COMPARTMENT NAME :	ENGINE MARINE STARBOARD	COMP SERIAL NUM :
	SERIAL NUMBER :	354UX312566	COMPARTMENT MODEL :
FAX:	MANUFACTURER :	PERKINS	COMP MANUFACTURER :
PHONE: [redacted]	MODEL :	6-354_PERKINS	SAMPLE LABEL NUM :
SAMPLE TYPE: OIL	JOB SITE :	GS 43	FLUID BRAND/WEIGHT :
SAMPLE SHIP TIME (days): 9	EXT WARR NUMBER :		FLUID TYPE :
			EXT WARR EXPIRE DATE :

KELLY TRACTOR CAT

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LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
D260-45023-0074	1/14/15	1/23/15	0	0	No			Unknown

Action Required

VISCOSITY READING IS LOW, 9.6 cSt. THE OIL HAS 7.85% OF FUEL. IRON, CHROME AND ALUMNUM ARE EXTREMELY HIGH AND MAY COME FROM PISTON SKIRT, PISTON RING, LINER. HIGH COPPER AND ALUMINUM COMES FROM TURBOCHARGER BEARINGS. SILICON COMES FROM DIRT ENTRY. SODIUM MAY COME FROM ADDITIVES IN THE OIL (NO FAILURE). CHECK ENGINE FOR UNUSUAL NOISE/S AND/OR PERFORMANCE AND FOR SOURCES OF FUEL. MAKE REPAIRS AS NEEDED. CHANGE THE OIL AND FILTER. RESAMPLE IN 10 HOURS.

Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	Mo	Ni	Ag	Ca	Mg	Zn	P
D260-45023-0074	139	1897	26	76	3	1	54	164	13	4	2	0	3201	113	1291	1078

Oil Condition / Particle Count (ct/ml)	ST	OXI	NIT	SUL	W	A	F	PFC	V100
D260-45023-0074	4	15	11	21	T	N	N	7.85	9.6

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, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content, PQI = Particle Quantifying index , NaW = Salt Water, FL Pt = Flash Point, TAN = Total Acid Number, TBN = Total Base Number, H2O = Karl Fisher result, V100 = Viscosity@100C, V40 = Viscosity@40C