



P.O. NUMBER CC: Visa (Prepaid)
 CODE: 20/27411/284

UNIT NUMBER KUBOTA L3400
 REPORT DATE: 7/17/07
 LAB NUMBER: D11158

OIL REPORT

CLIENT	CONTACT:	PHONE: (325) 537-3924
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UNIT	EQUIPMENT MAKE: Kubota	OIL USE INTERVAL: 110 Hours
	EQUIPMENT MODEL: L3400	OIL TYPE & GRADE: Diesel Engine Oil
	FUEL TYPE: Diesel	MAKE-UP OIL ADDED: 0 qts
	ADDITIONAL INFO:	

COMMENTS
 JUSTIN: The high wear and silicon are common finds in new engines, such as this. The excess wear metals are from new parts breaking while silicon comes from sand-casted parts and sealers used when assembling your engine. Both should improve with subsequent oil changes. Universal averages, for the type, are based on an oil run of ~75 hours, which may account for some of the high wear, too. We suggest running the next oil just 75 hours and resampling to monitor. Fuel at 1.5% isn't a problem and may be from the rings seating. Check back for another look at wear.

ELEMENTS IN PARTS PER MILLION	MI/HR ON OIL	110	UNIT / LOCATION AVERAGES							UNIVERSAL AVERAGES
	MI/HR ON UNIT	110								
	SAMPLE DATE	06/29/07								
ALUMINUM	11	11								4
CHROMIUM	1	1								2
IRON	25	25								18
COPPER	21	21								5
LEAD	3	3								3
TIN	3	3								2
MOLYBDENUM	2	2								30
NICKEL	0	0								0
MANGANESE	2	2								0
SILVER	0	0								0
TITANIUM	0	0								0
POTASSIUM	2	2								1
BORON	100	100								82
SILICON	29	29								10
SODIUM	3	3								13
CALCIUM	3799	3799								3026
MAGNESIUM	9	9								191
PHOSPHORUS	892	892								1099
ZINC	985	985								1259
BARIUM	2	2								0

PROPERTIES	TEST	cST VISCOSITY @ 40 °C	SUS VISCOSITY @ 100 °F	VISCOSITY INDEX	cST VISCOSITY @ 100 °C	SUS VISCOSITY @ 210 °F	FLASHPOINT IN °F	FUEL %	ANTIFREEZE %	WATER %	INSOLUBLES %
	VALUES SHOULD BE						>415	<2.0	0.0	0.0	<0.6
	TESTED VALUES WERE					57.4	400	1.5	0.0	0.0	0.3