



# OIL REPORT

LAB NUMBER: F60922      UNIT ID: 94 XT350  
 REPORT DATE: 6/25/2013      CLIENT ID: 41026  
 CODE: 20/75      PAYMENT: CC: Visa

<b>UNIT</b>	MAKE/MODEL: Yamaha XT350	OIL TYPE & GRADE: Valvoline 10W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 225 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	RICHARD BESSEY	PHONE:
	133 WINNEBAGO	FAX:
	WALLA WALLA, WA 99362	ALT PHONE:
		EMAIL: richard@richardbessey.com

**COMMENTS** RICHARD: Thanks for the note on the still-slipping gear. This sample actually looks a lot better than last time, but unfortunately you made other changes at the same time, so we're not sure if the shorter oil run or the different oil accounts for the improvements. Try switching back to the other oil or running longer on this oil, and we'll see what happens with wear. As far as the slipping, we don't see anything obviously awry here. Metals look great and silicon is better. The viscosity was fine and no contamination was found. Try up to 500 miles next time to monitor.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	225	<b>UNIT / LOCATION AVERAGES</b>	709				<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	4,961		4,735				
	Sample Date	06/14/13		02/24/13				
	Make Up Oil Added	0 qts		0 qts				
ALUMINUM	9	38	<b>67</b>					13
CHROMIUM	1	2	2					1
IRON	13	29	<b>44</b>					11
COPPER	4	13	<b>22</b>					6
LEAD	1	1	1					2
TIN	0	1	1					0
MOLYBDENUM	1	1	1					33
NICKEL	0	0	0					4
MANGANESE	0	1	1					0
SILVER	0	0	0					0
TITANIUM	0	0	0					0
POTASSIUM	10	9	7					2
BORON	264	150	36					16
SILICON	<b>24</b>	29	<b>34</b>					12
SODIUM	399	202	5					12
CALCIUM	2190	2602	3014					2995
MAGNESIUM	12	15	17					83
PHOSPHORUS	1053	995	936					1118
ZINC	1245	1231	1217					1340
BARIUM	0	0	0					0

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	67.5	64-73	<b>88.3</b>			
	cSt Viscosity @ 100°C	12.28	11.3-14.0	<b>17.58</b>			
	Flashpoint in °F	410	>375	425			
	Fuel %	<0.5	<2.0	<0.5			
	Antifreeze %	0.0	0.0	0.0			
	Water %	0.0	<0.1	0.0			
	Insolubles %	0.3	<0.6	0.4			
	TBN						
	TAN						
	ISO Code						

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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