



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	ABNORMAL

Machine Id
KUBOTA SSV65C 13166

Component
Diesel Engine

Fluid
TRC MOLY XL PROSPEC III 15W40 (2 GAL)

RECOMMENDATION

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06196889	TR06067890	TR05959225
Sample Date		Client Info		17 May 2024	09 Jan 2024	15 Sep 2023
Machine Age	hrs	Client Info		6652	6232	5905
Oil Age	hrs	Client Info		1013	593	266
Filter Age	hrs	Client Info		1013	593	266
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				SEVERE	SEVERE	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	38	43	25
Chromium	ppm	ASTM D5185m	>20	1	1	<1
Nickel	ppm	ASTM D5185m	>4	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	4	3	3
Lead	ppm	ASTM D5185m	>40	<1	<1	0
Copper	ppm	ASTM D5185m	>330	2	<1	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

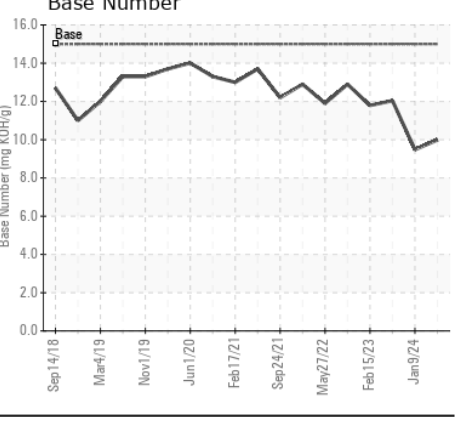
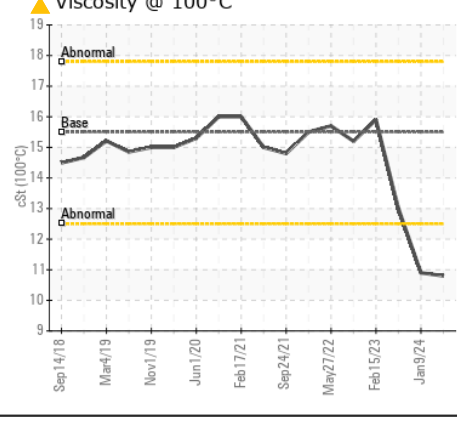
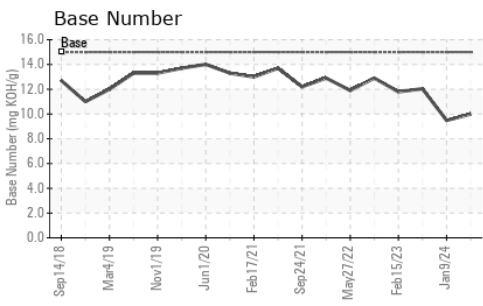
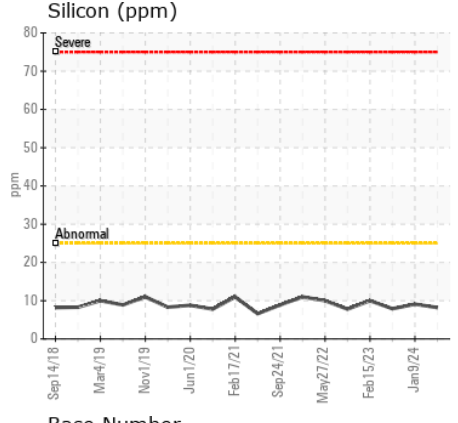
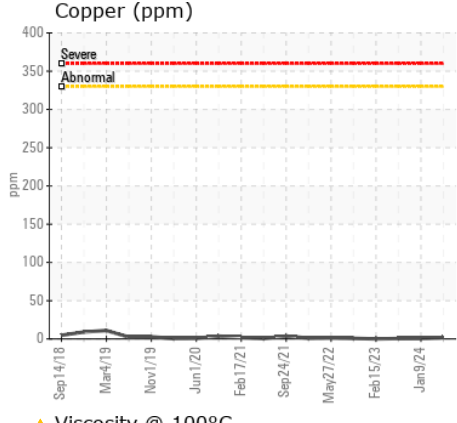
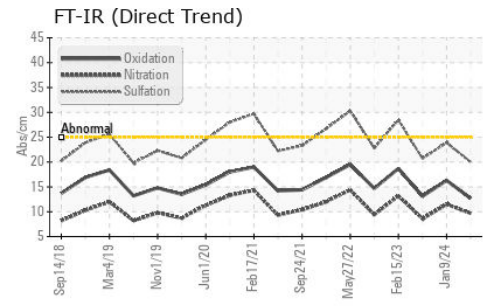
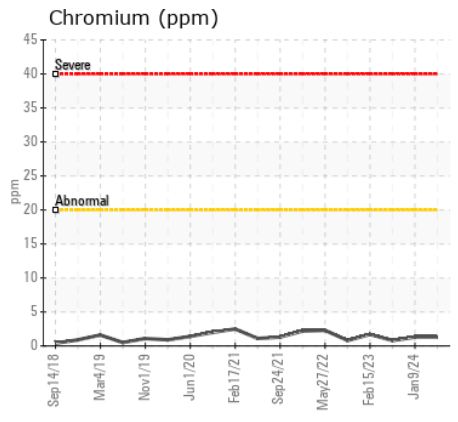
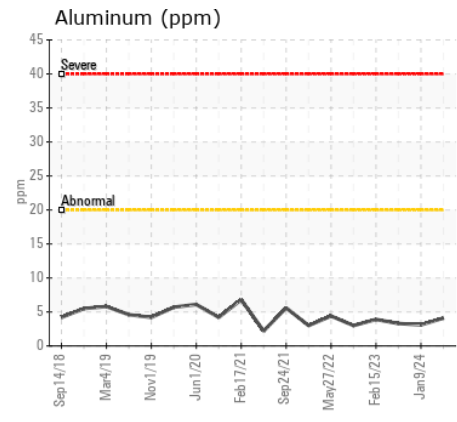
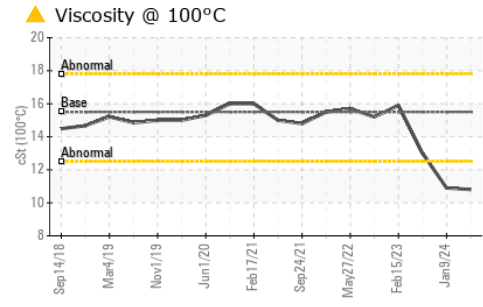
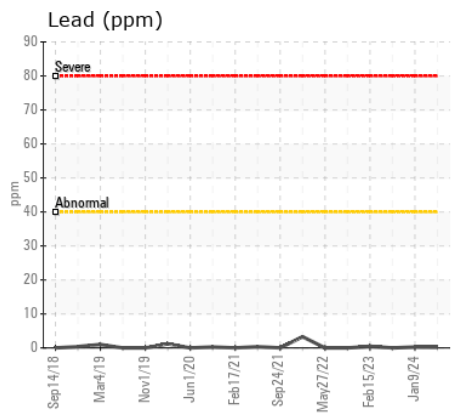
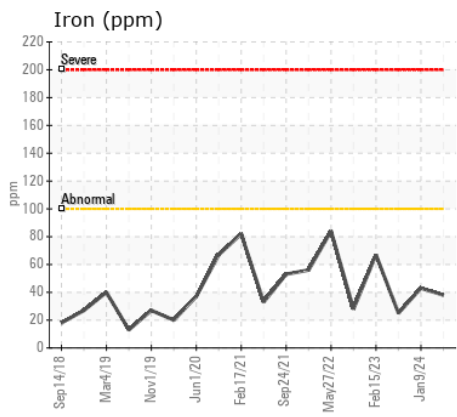
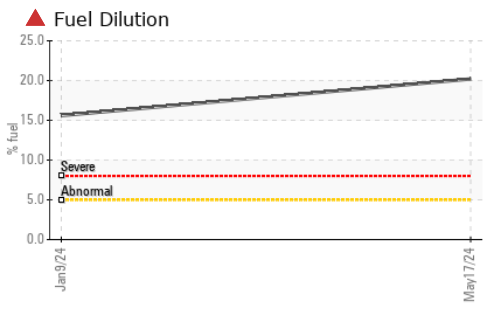
There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

Silicon	ppm	ASTM D5185m	>25	8	9	8
Potassium	ppm	ASTM D5185m	>20	6	0	2
Fuel	%	ASTM D3524	>5	▲ 20.2	▲ 15.6	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.4	1.6	0.8
Nitration	Abs/cm	*ASTM D7624	>20	9.7	11.5	8.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.0	23.9	20.7
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185m		1	3	2
Boron	ppm	ASTM D5185m		154	124	210
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		185	173	202
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		331	349	383
Calcium	ppm	ASTM D5185m	4500	3370	2961	3567
Phosphorus	ppm	ASTM D5185m		843	731	841
Zinc	ppm	ASTM D5185m	1400	884	845	1037
Sulfur	ppm	ASTM D5185m		3652	3038	4084
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.7	16.3	13.1
Base Number (BN)	mg KOH/g	ASTM D2896	15	9.99	9.48	12.04
Visc @ 100°C	cSt	ASTM D445	15.5	▲ 10.8	▲ 10.9	13.0



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR06196889 **Received** : 31 May 2024
Lab Number : 06196889 **Tested** : 05 Jun 2024
Unique Number : 11059012 **Diagnosed** : 05 Jun 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: PercentFuel)

ABENAKI TIMBER CORP
 PO BOX 699
 KINGSTON, NH
 US 03848
 Contact: DON PERCY

Certificate L2367
 To discuss this sample report, contact Customer Service at 1-800-827-0711.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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