



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
KUBOTA RTV-X1100C 22798
 Component
Diesel Engine
 Fluid
TRC PRO-SPEC V SYN BLEND 10W30 (3 LTR)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
 Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR02631466	---	---
Sample Date		Client Info		16 Apr 2024	---	---
Machine Age	hrs	Client Info		1000	---	---
Oil Age	hrs	Client Info		260	---	---
Filter Age	hrs	Client Info		260	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	15	---	---
Chromium	ppm	ASTM D5185(m)	>20	<1	---	---
Nickel	ppm	ASTM D5185(m)	>4	0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>3	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	2	---	---
Lead	ppm	ASTM D5185(m)	>40	0	---	---
Copper	ppm	ASTM D5185(m)	>330	2	---	---
Tin	ppm	ASTM D5185(m)	>15	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

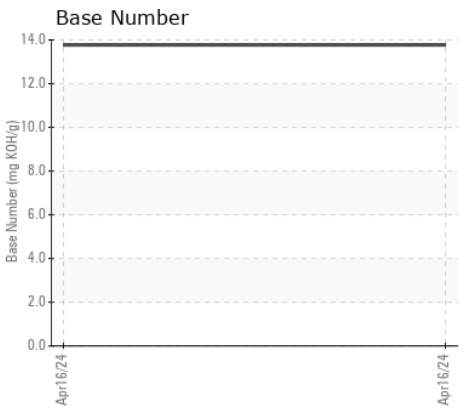
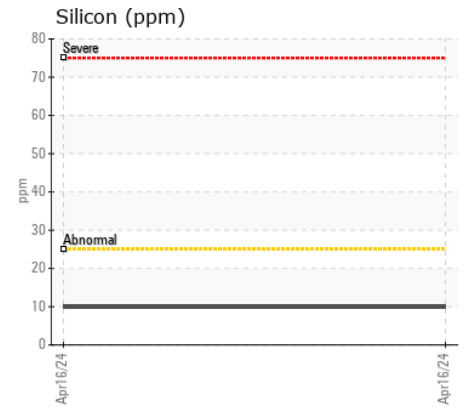
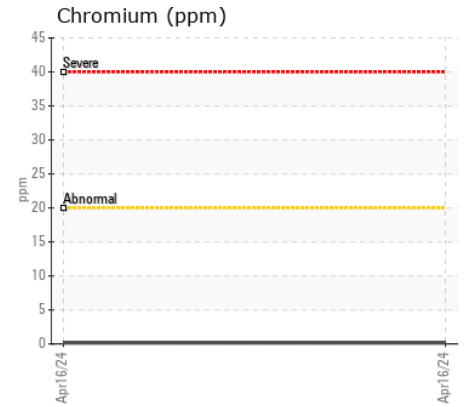
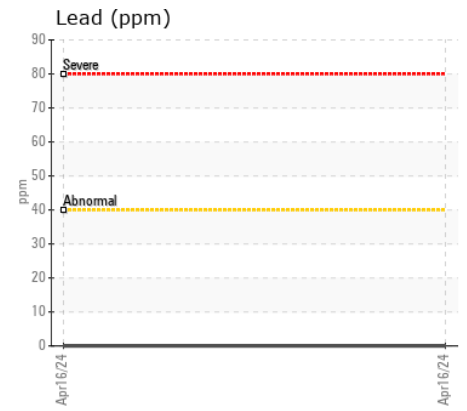
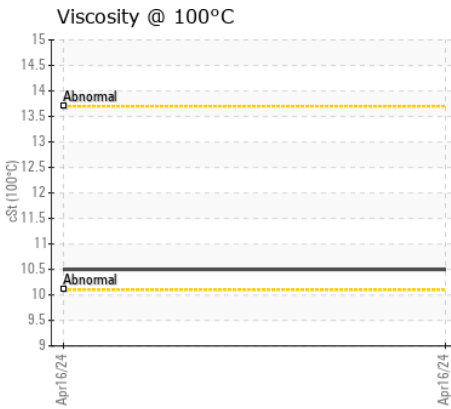
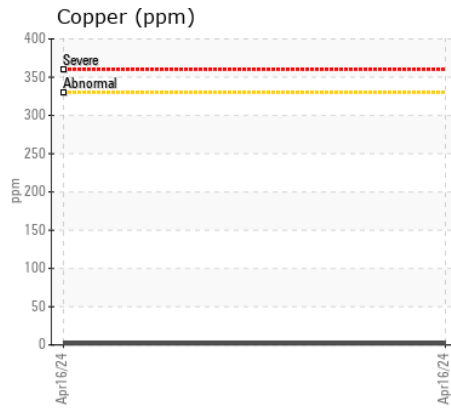
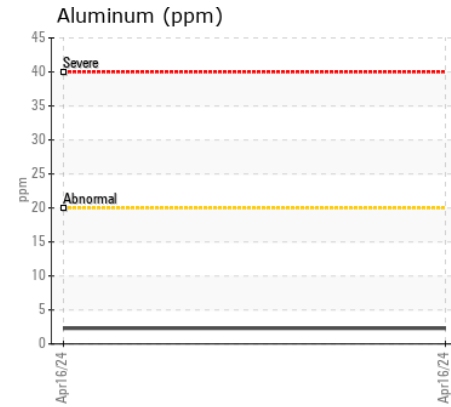
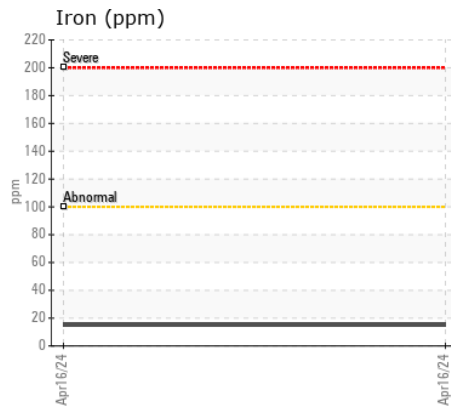
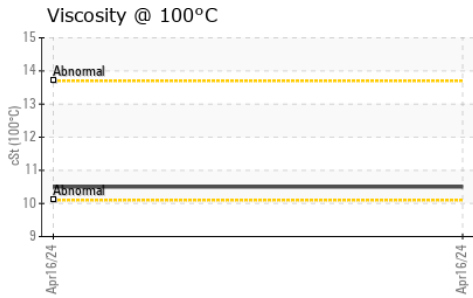
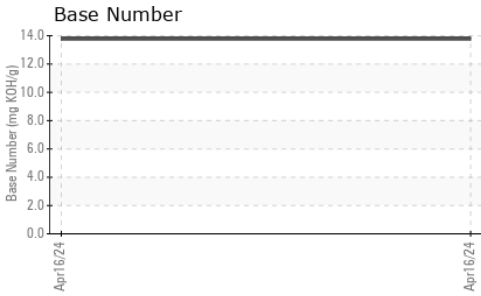
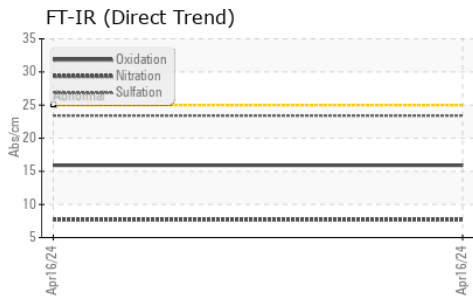
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	10	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Fuel		WC Method	>5	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>3	0.2	---	---
Nitration	Abs/cm	ASTM D7624*	>20	7.7	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.4	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil.
 The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		2	---	---
Boron	ppm	ASTM D5185(m)		10	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		4	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		19	---	---
Calcium	ppm	ASTM D5185(m)		3820	---	---
Phosphorus	ppm	ASTM D5185(m)		919	---	---
Zinc	ppm	ASTM D5185(m)		1032	---	---
Sulfur	ppm	ASTM D5185(m)		4204	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.9	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		13.77	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		10.5	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : TR02631466
Lab Number : 02631466
Unique Number : 5772619
Test Package : MOB 2

Received : 26 Apr 2024
Tested : 26 Apr 2024
Diagnosed : 29 Apr 2024 - Kevin Marson

GRASSY HILL FARMING
 BOX 510
 GULL LAKE, SK
 CA S0N 1A0
 Contact: ED ENTZ

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)

T: (306)622-2068

F: