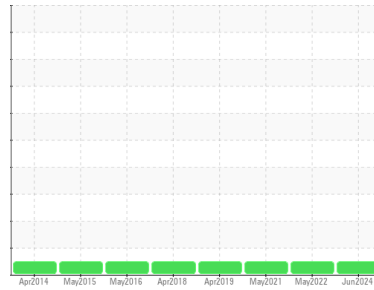




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
KUBOTA F2803 H0002
 Component
Diesel Engine
 Fluid
 DIESEL ENGINE OIL SAE 15W40 (13 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0918790	WC0581976	WC0510671
Sample Date	Client Info		04 Jun 2024	25 May 2022	13 May 2021
Machine Age	hrs	Client Info	509	454	426
Oil Age	hrs	Client Info	33	46	18
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	<1.0	<1.0
Water	WC Method	>0.2	NEG	NEG	NEG
Glycol	WC Method		NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>100	2	2	2
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>4	<1	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	<1	1	1
Lead	ppm	ASTM D5185(m)	>40	0	<1	0
Copper	ppm	ASTM D5185(m)	>330	1	2	1
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	<1
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	250	12	61	59
Barium	ppm	ASTM D5185(m)	10	<1	1	1
Molybdenum	ppm	ASTM D5185(m)	100	12	78	75
Manganese	ppm	ASTM D5185(m)		0	0	<1
Magnesium	ppm	ASTM D5185(m)	450	33	166	159
Calcium	ppm	ASTM D5185(m)	3000	2083	1937	1906
Phosphorus	ppm	ASTM D5185(m)	1150	831	1030	945
Zinc	ppm	ASTM D5185(m)	1350	922	1120	1120
Sulfur	ppm	ASTM D5185(m)	4250	2829	3171	3173
Lithium	ppm	ASTM D5185(m)		<1	0	<1

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	2	4	6
Sodium	ppm	ASTM D5185(m)	>158	1	2	3
Potassium	ppm	ASTM D5185(m)	>20	<1	1	<1

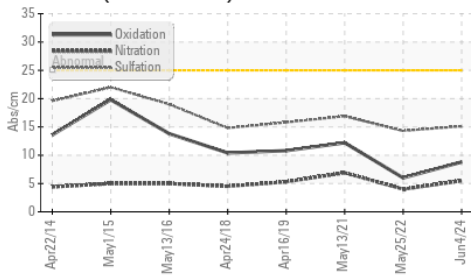
INFRA-RED

	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	5.5	4.0	6.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	15.1	14.3	16.9

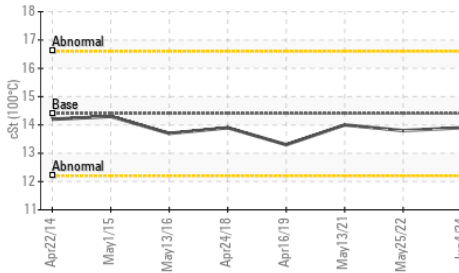


OIL ANALYSIS REPORT

FT-IR (Direct Trend)



Viscosity @ 100°C



FLUID DEGRADATION method limit/base current history1 history2

Oxidation	Abs./1mm	ASTM D7414*	>25	8.8	6.0	12.2
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VISUAL method limit/base current history1 history2

Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
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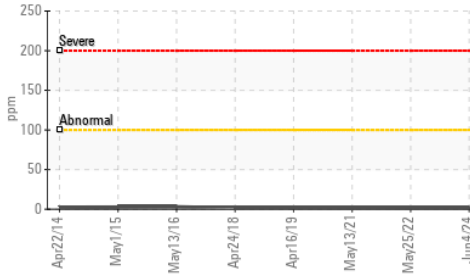
Free Water	scalar	Visual*		NEG	NEG	NEG
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FLUID PROPERTIES method limit/base current history1 history2

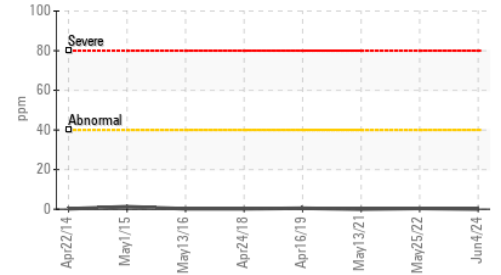
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	13.9	13.8	14.0
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GRAPHS

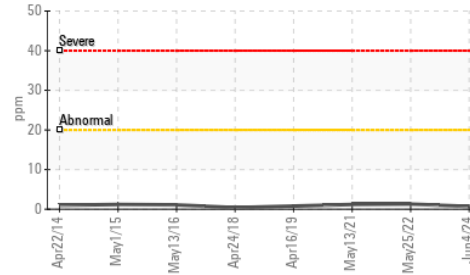
Iron (ppm)



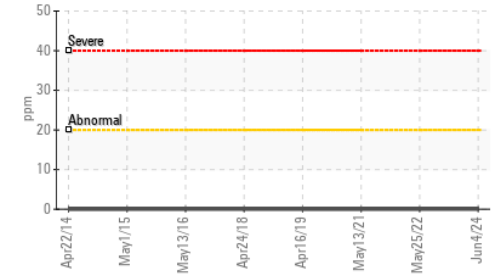
Lead (ppm)



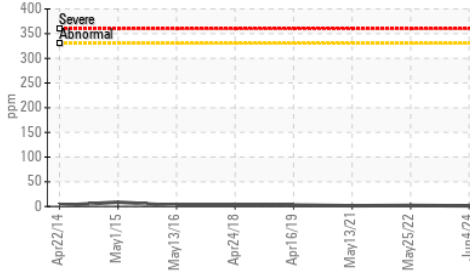
Aluminum (ppm)



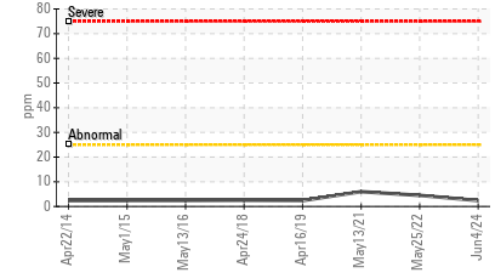
Chromium (ppm)



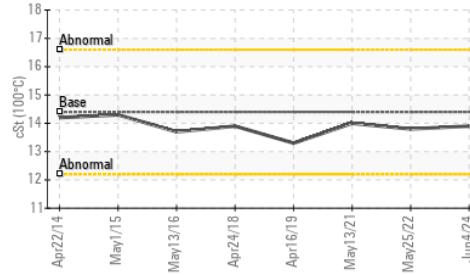
Copper (ppm)



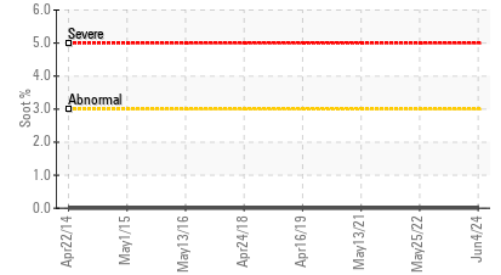
Silicon (ppm)



Viscosity @ 100°C



Soot %



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0918790 **Received** : 19 Jun 2024
Lab Number : **02642864** **Tested** : 19 Jun 2024
Unique Number : 5800403 **Diagnosed** : 19 Jun 2024 - Wes Davis
Test Package : MOB 1

GENCARE SERVICES LTD.
 360 SOVEREIGN ROAD
 LONDON, ON
 CA N6M 1A8
 Contact: Teresa Matthews
 tmatthews@gencare.com
 T: (519)659-7118
 F: (519)451-1707

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.