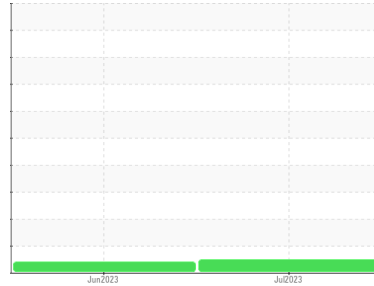




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
KUBOTA X1140 MCP753
 Component
Diesel Engine
 Fluid
DISEL ENGINE OIL SAE 15W40 (--- GAL)

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		WC0726876	WC0801083	---
Sample Date	Client Info		31 Jul 2023	21 Jun 2023	---
Machine Age	hrs	Client Info	606	483	---
Oil Age	hrs	Client Info	126	0	---
Oil Changed	Client Info		N/A	Changed	---
Sample Status			NORMAL	ABNORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	1.1	---
Glycol	WC Method		NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>100	40	89	---
Chromium	ppm	ASTM D5185(m)	>20	<1	2	---
Nickel	ppm	ASTM D5185(m)	>4	0	<1	---
Titanium	ppm	ASTM D5185(m)		<1	<1	---
Silver	ppm	ASTM D5185(m)	>3	<1	0	---
Aluminum	ppm	ASTM D5185(m)	>20	6	14	---
Lead	ppm	ASTM D5185(m)	>40	<1	2	---
Copper	ppm	ASTM D5185(m)	>330	18	50	---
Tin	ppm	ASTM D5185(m)	>15	0	<1	---
Antimony	ppm	ASTM D5185(m)		0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	250	103	60	---
Barium	ppm	ASTM D5185(m)	10	2	7	---
Molybdenum	ppm	ASTM D5185(m)	100	104	74	---
Manganese	ppm	ASTM D5185(m)		1	3	---
Magnesium	ppm	ASTM D5185(m)	450	570	316	---
Calcium	ppm	ASTM D5185(m)	3000	1991	2301	---
Phosphorus	ppm	ASTM D5185(m)	1150	911	1086	---
Zinc	ppm	ASTM D5185(m)	1350	1044	1278	---
Sulfur	ppm	ASTM D5185(m)	4250	2298	2852	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	13	22	---
Sodium	ppm	ASTM D5185(m)	>158	3	4	---
Potassium	ppm	ASTM D5185(m)	>20	<1	2	---

INFRA-RED

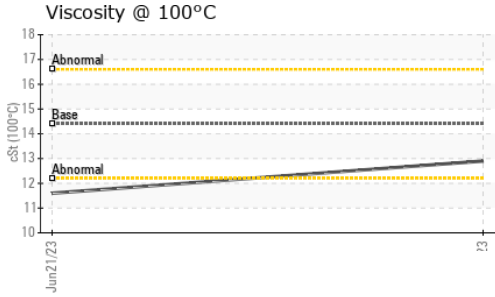
	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>3	0.1	0.4	---
Nitration	Abs/cm	ASTM D7624*	>20	7.2	9.5	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.8	21.8	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.5	17.2	---



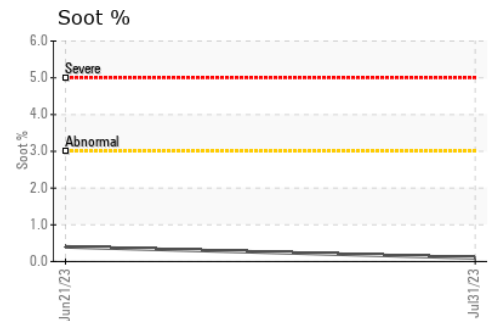
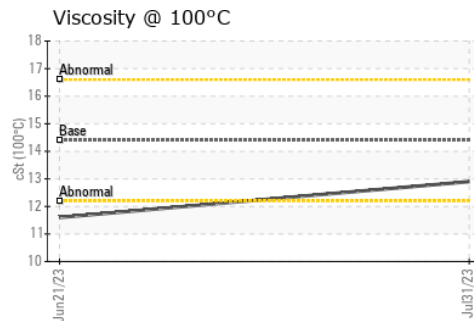
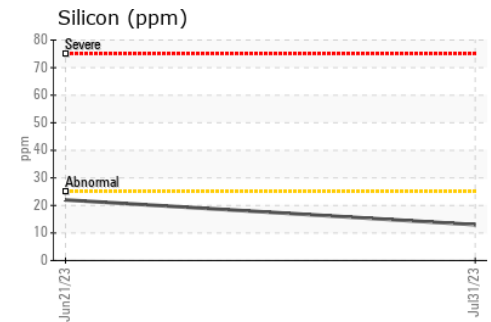
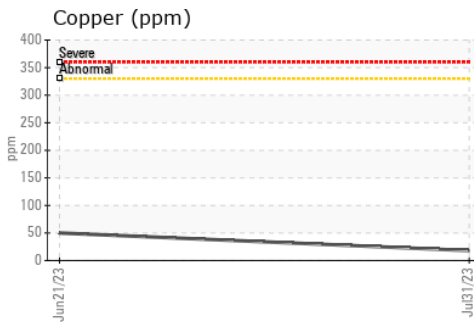
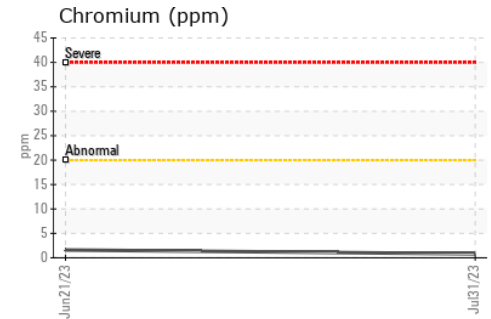
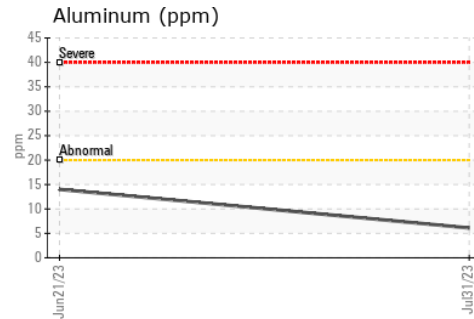
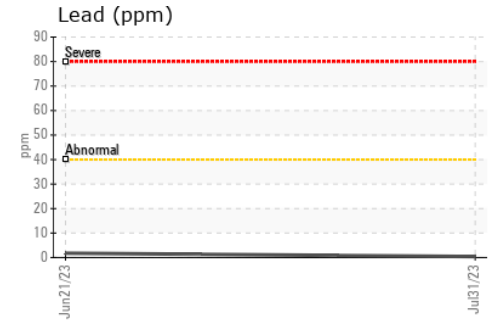
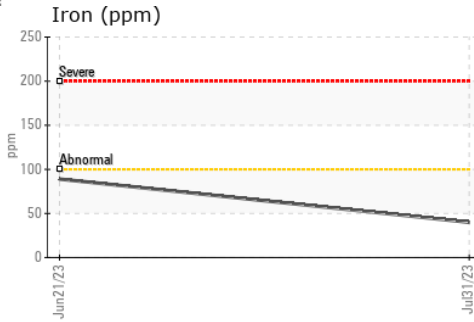
OIL ANALYSIS REPORT



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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	12.9	▲ 11.6

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0726876 **Received** : 11 Aug 2023
Lab Number : 02575322 **Diagnosed** : 11 Aug 2023
Unique Number : 5620373 **Diagnostician** : Wes Davis
Test Package : MOB 1

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 Kirkland Lake, ON
 CA P2N 3J1
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 tony.tees@agnicoeagle.com
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 F: (705)567-5221

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.