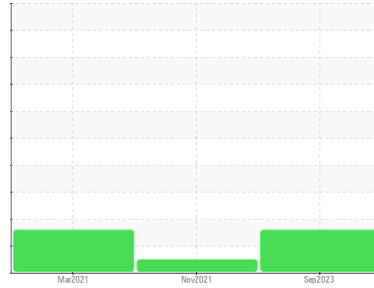




OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Machine Id
KUBOTA X900 MCP718 (S/N 55155)

Component
Diesel Engine

Fluid
SHELL 15W40 (4 LTR)

DIAGNOSIS

▲ Recommendation

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

▲ Contamination

There is a moderate concentration of dirt present in the oil.

Fluid Condition

The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0848132	WC0631543	WC112746
Sample Date	Client Info		27 Sep 2023	03 Nov 2021	29 Mar 2021
Machine Age	hrs	Client Info	1958	1401	710
Oil Age	hrs	Client Info	0	0	250
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			ABNORMAL	NORMAL	ABNORMAL

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>100	53	44	176
Chromium	ppm	ASTM D5185(m)	>20	2	1	6
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	<1	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	7	7	15
Lead	ppm	ASTM D5185(m)	>40	<1	<1	2
Copper	ppm	ASTM D5185(m)	>330	4	1	9
Tin	ppm	ASTM D5185(m)	>15	0	<1	1
Antimony	ppm	ASTM D5185(m)		0	0	<1
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)		2	2	43
Barium	ppm	ASTM D5185(m)		<1	<1	3
Molybdenum	ppm	ASTM D5185(m)		64	13	67
Manganese	ppm	ASTM D5185(m)		<1	<1	3
Magnesium	ppm	ASTM D5185(m)		1018	168	412
Calcium	ppm	ASTM D5185(m)		1108	2120	2277
Phosphorus	ppm	ASTM D5185(m)		1000	894	1140
Zinc	ppm	ASTM D5185(m)		1243	1073	1495
Sulfur	ppm	ASTM D5185(m)		2447	2862	3005
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	▲ 55	9	25
Sodium	ppm	ASTM D5185(m)	>150	6	2	5
Potassium	ppm	ASTM D5185(m)	>20	2	2	3

INFRA-RED

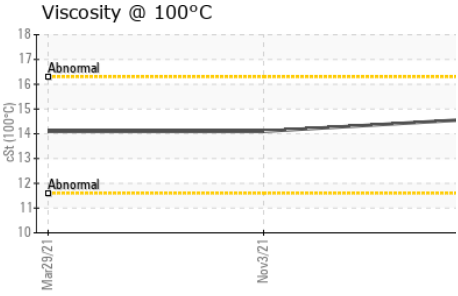
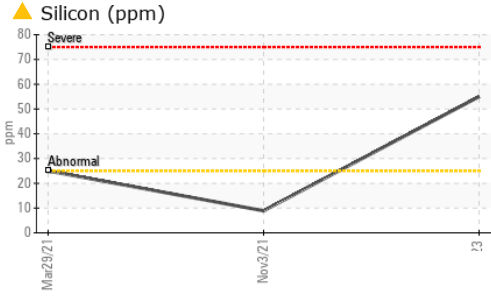
	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>3	0.5	0.3	2.2
Nitration	Abs/cm	ASTM D7624*	>20	9.0	5.2	17.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.3	16.5	▲ 35.2

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.8	8.7	▲ 32.7



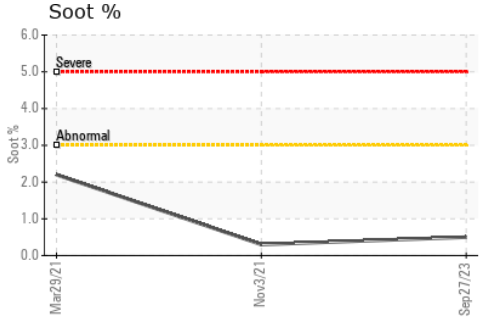
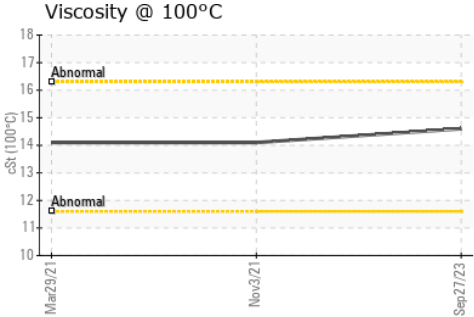
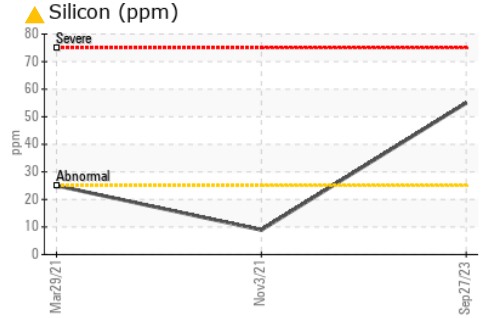
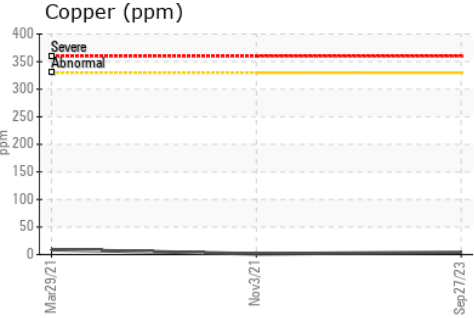
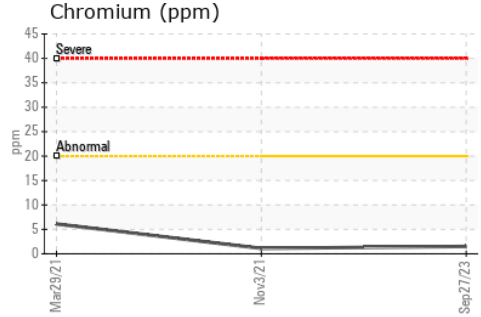
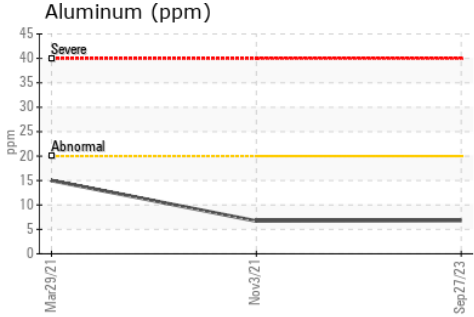
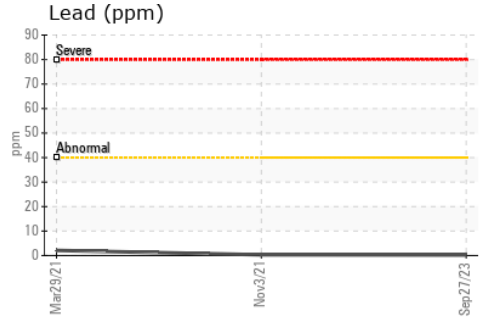
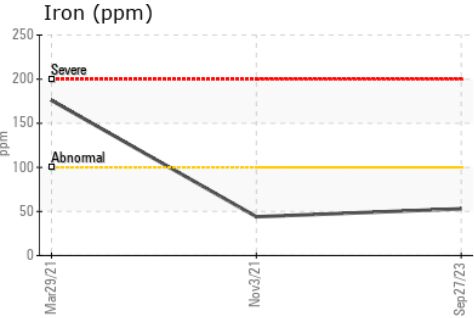
OIL ANALYSIS REPORT



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)	14.6	14.1	14.1

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0848132
Lab Number : 02588578
Unique Number : 5657644
Test Package : MOB 1

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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.