



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
AGNICO EAGLE
Machine Id
KUBOTA RTVX900 MCP726
Component
Diesel Engine
Fluid
MOBIL 15W40 (--- GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0879682	WC0892425	WC0892412
Sample Date		Client Info		26 Feb 2024	14 Jan 2024	28 Dec 2023
Machine Age	hrs	Client Info		3658	3472	3412
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	64	18	▲ 145
Chromium	ppm	ASTM D5185(m)	>20	2	<1	4
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	15	6	● 22
Lead	ppm	ASTM D5185(m)	>40	0	0	0
Copper	ppm	ASTM D5185(m)	>330	1	<1	2
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

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

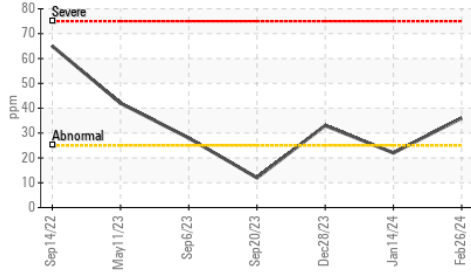
Silicon	ppm	ASTM D5185(m)	>25	▲ 36	22	▲ 33
Potassium	ppm	ASTM D5185(m)	>20	3	1	0
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	1.3	0.2	1.4
Nitration	Abs/cm	ASTM D7624*	>20	11.5	6.4	12.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	26.8	23.3	25.1
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

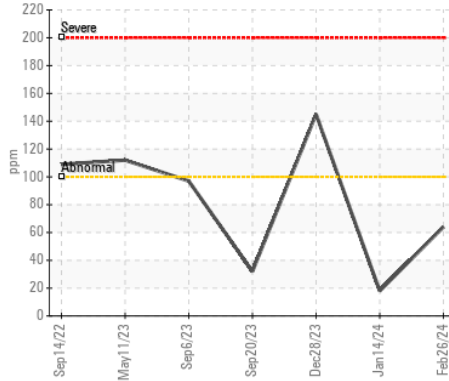
The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185(m)	>118	5	3	6
Boron	ppm	ASTM D5185(m)		39	50	42
Barium	ppm	ASTM D5185(m)		0	0	<1
Molybdenum	ppm	ASTM D5185(m)		47	42	84
Manganese	ppm	ASTM D5185(m)		<1	0	1
Magnesium	ppm	ASTM D5185(m)		574	509	540
Calcium	ppm	ASTM D5185(m)		1942	1697	2068
Phosphorus	ppm	ASTM D5185(m)		791	739	831
Zinc	ppm	ASTM D5185(m)		955	854	1016
Sulfur	ppm	ASTM D5185(m)		2095	2132	2133
Oxidation	Abs/.1mm	ASTM D7414*	>25	24.8	20.8	22.2
Visc @ 100°C	cSt	ASTM D7279(m)		15.2	13.8	14.9

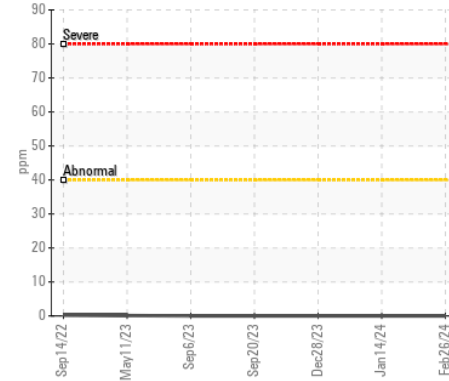
▲ Silicon (ppm)



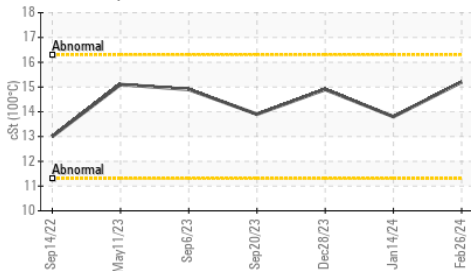
Iron (ppm)



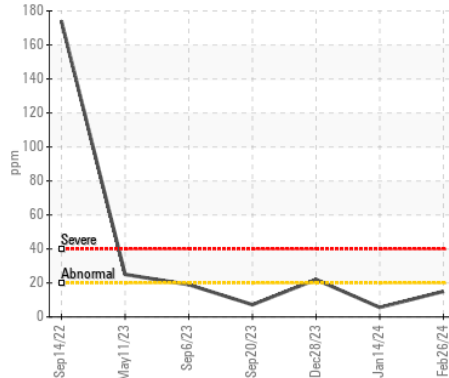
Lead (ppm)



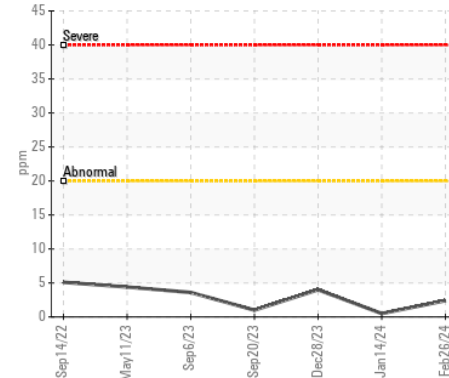
Viscosity @ 100°C



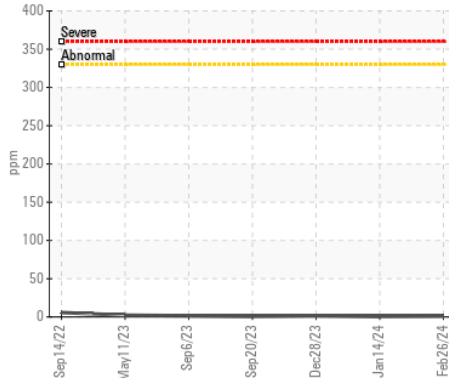
Aluminum (ppm)



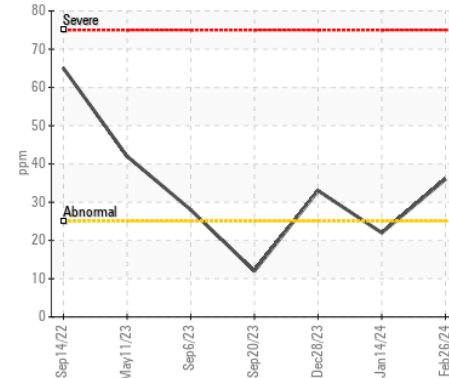
Chromium (ppm)



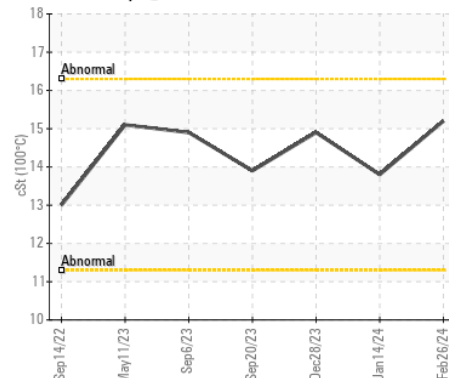
Copper (ppm)



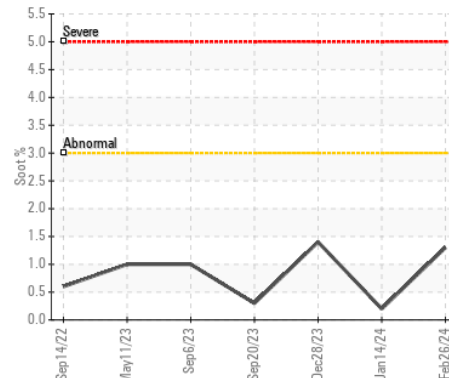
▲ Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Sample No. : WC0879682

Lab Number : 02618648

Unique Number : 5735758

Test Package : MOB 1

Received : 28 Feb 2024

Tested : 28 Feb 2024

Diagnosed : 28 Feb 2024 - Kevin Marson

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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.