



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
KUBOTA 900RTV MCP723
Component
Diesel Engine
Fluid
PETRO CANADA DURON HP 15W40 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0930768	WC0892401	WC0861368
Sample Date		Client Info		26 Jun 2024	24 Dec 2023	04 Dec 2023
Machine Age	kms	Client Info		2837	2635	2618
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	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	SEVERE

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>100	100	24	74
Chromium	ppm	ASTM D5185(m)	>20	4	1	4
Nickel	ppm	ASTM D5185(m)	>4	<1	0	<1
Titanium	ppm	ASTM D5185(m)		<1	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	46	30	▲ 113
Lead	ppm	ASTM D5185(m)	>40	0	<1	<1
Copper	ppm	ASTM D5185(m)	>330	2	1	5
Tin	ppm	ASTM D5185(m)	>15	<1	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

Fuel content negligible. Light concentration of carbon/soot present in the oil.

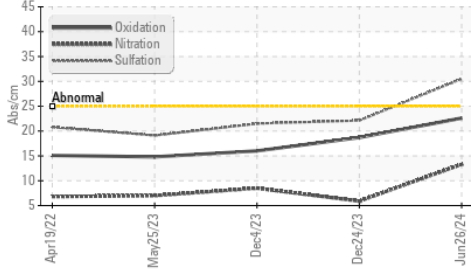
Silicon	ppm	ASTM D5185(m)	>25	20	10	19
Potassium	ppm	ASTM D5185(m)	>20	2	0	2
Fuel	%	ASTM D7593*	>5	0.3	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	▲ 4	0.5	1.2
Nitration	Abs/cm	ASTM D7624*	>20	13.3	5.9	8.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	30.5	22.1	21.5
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

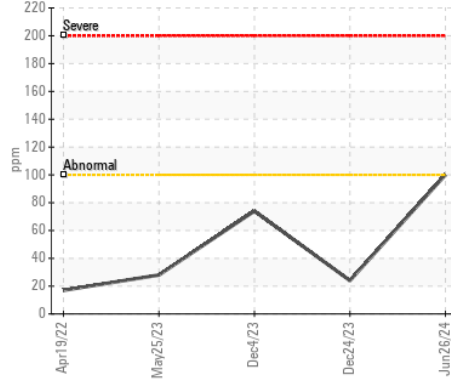
Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185(m)		6	4	9
Boron	ppm	ASTM D5185(m)	0	35	47	23
Barium	ppm	ASTM D5185(m)	0	<1	0	<1
Molybdenum	ppm	ASTM D5185(m)	60	55	48	86
Manganese	ppm	ASTM D5185(m)	0	1	0	<1
Magnesium	ppm	ASTM D5185(m)	1010	665	586	1003
Calcium	ppm	ASTM D5185(m)	1070	1695	1465	1123
Phosphorus	ppm	ASTM D5185(m)	1150	819	776	1000
Zinc	ppm	ASTM D5185(m)	1270	1018	882	1188
Sulfur	ppm	ASTM D5185(m)	2060	2107	2187	2496
Oxidation	Abs/.1mm	ASTM D7414*	>25	22.6	18.7	16.0
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	16.0	14.0	15.1

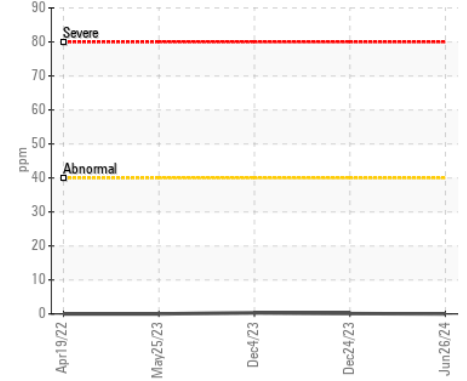
▲ FT-IR (Direct Trend)



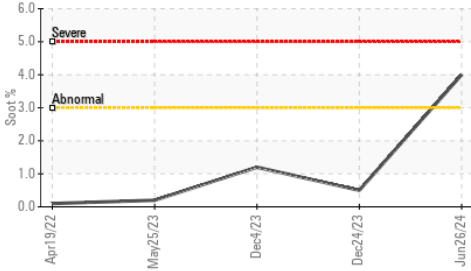
Iron (ppm)



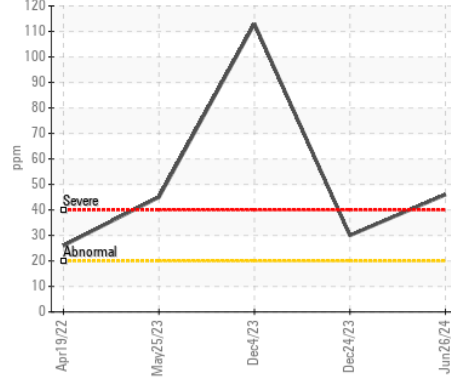
Lead (ppm)



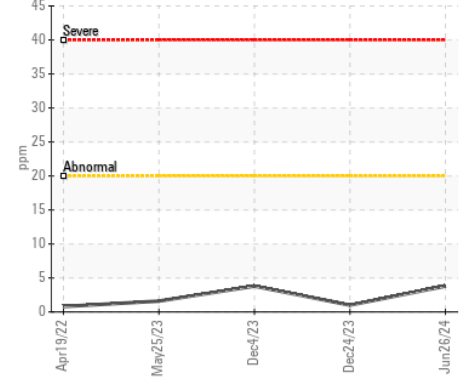
▲ Soot %



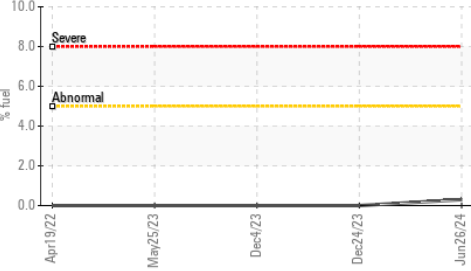
Aluminum (ppm)



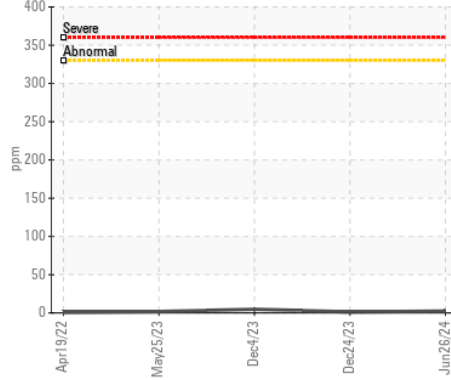
Chromium (ppm)



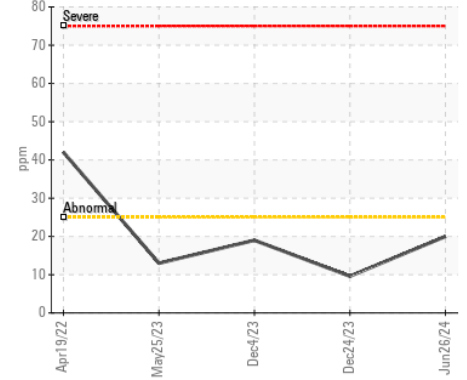
Fuel Dilution



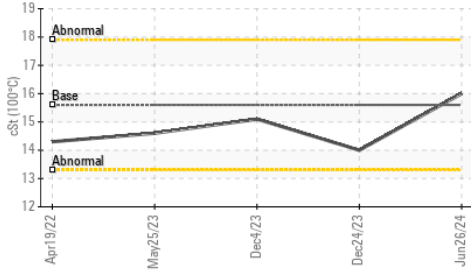
Copper (ppm)



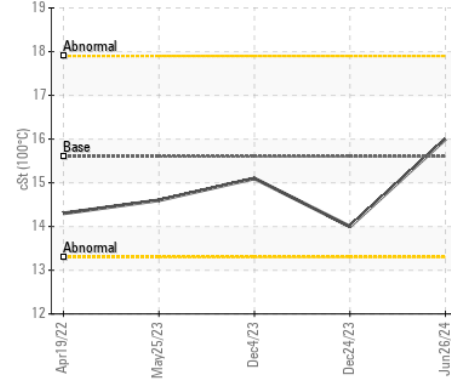
Silicon (ppm)



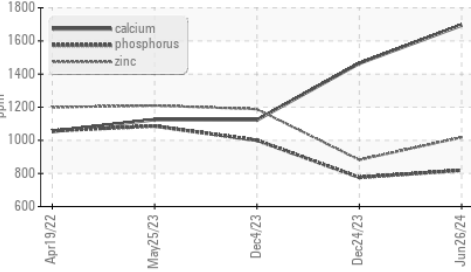
Viscosity @ 100°C



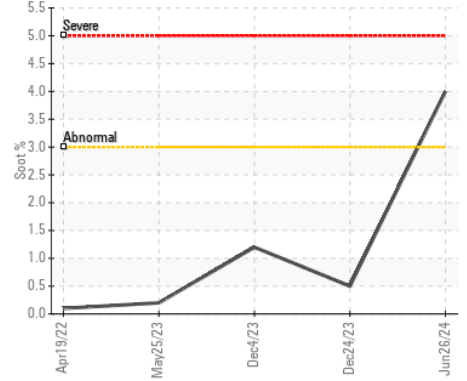
Viscosity @ 100°C



Additives



▲ Soot %



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0930768
Lab Number : 02645417
Unique Number : 5802956
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel)

Received : 04 Jul 2024
Tested : 05 Jul 2024
Diagnosed : 05 Jul 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.