



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**KUBOTA 1140 MCP729**  
Component  
**Diesel Engine**  
Fluid  
**DIESEL ENGINE OIL SAE 15W40 (--- GAL)**

## RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0904195</b>	WC0826279	WC0695831
Sample Date		Client Info		<b>12 Apr 2024</b>	07 Jul 2023	30 Apr 2022
Machine Age	hrs	Client Info		<b>1189</b>	933	508
Oil Age	hrs	Client Info		<b>0</b>	0	250
Filter Age	hrs	Client Info		<b>0</b>	0	250
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>43</b>	51	23
Chromium	ppm	ASTM D5185(m)	>20	<b>1</b>	2	1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>27</b>	31	13
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>330	<b>6</b>	22	19
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

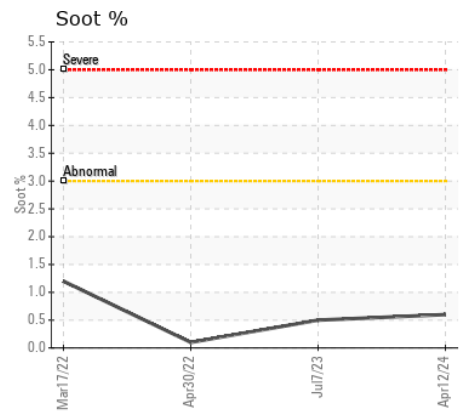
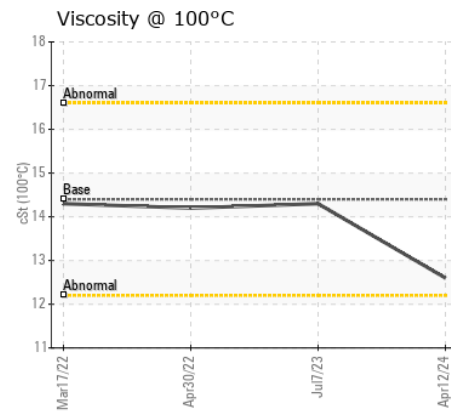
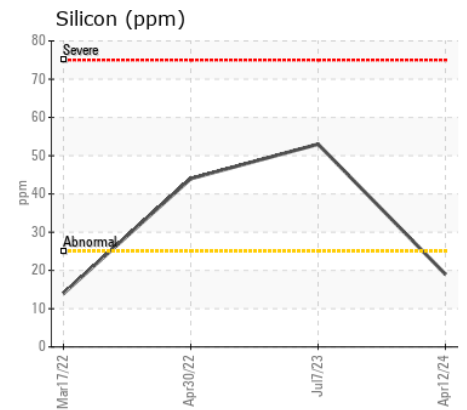
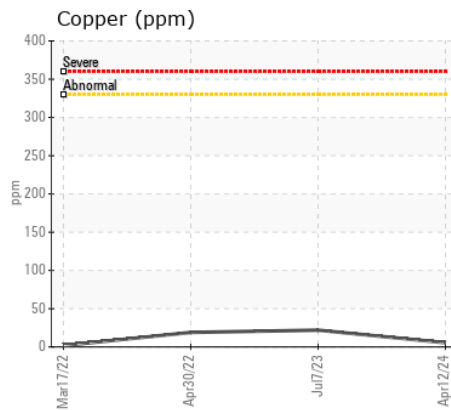
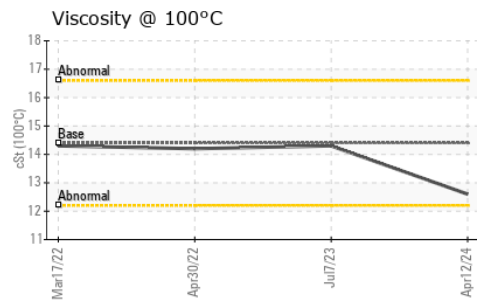
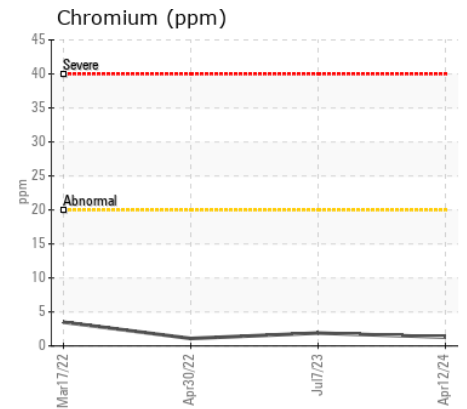
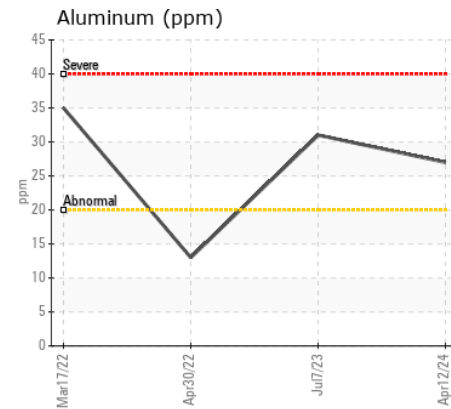
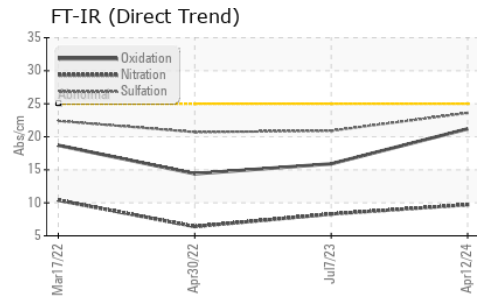
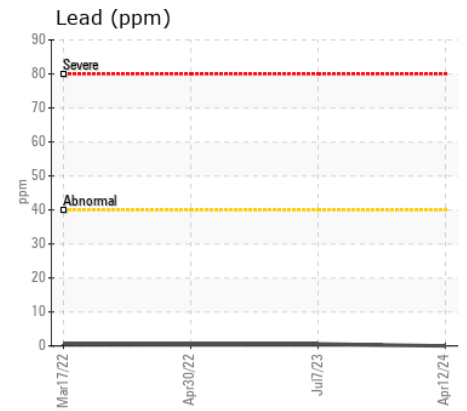
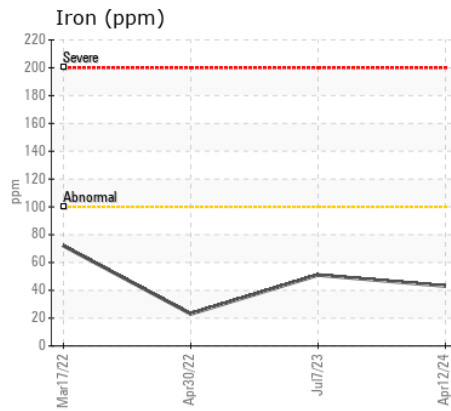
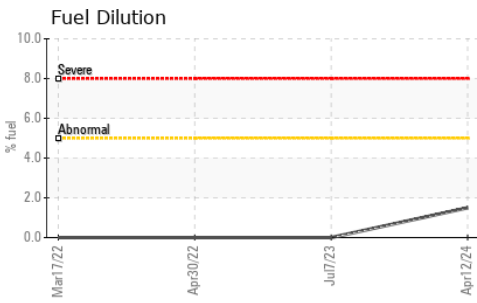
Light fuel dilution occurring. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>19</b>	53	44
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	2	2
Fuel	%	ASTM D7593*	>5	<b>1.5</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*	>3	<b>0.6</b>	0.5	0.1
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.7</b>	8.3	6.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>23.6</b>	20.9	20.7
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>158	<b>4</b>	4	2
Boron	ppm	ASTM D5185(m)	250	<b>42</b>	24	2
Barium	ppm	ASTM D5185(m)	10	<b>&lt;1</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	100	<b>46</b>	78	58
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	450	<b>549</b>	968	992
Calcium	ppm	ASTM D5185(m)	3000	<b>1719</b>	1147	1089
Phosphorus	ppm	ASTM D5185(m)	1150	<b>744</b>	1050	1044
Zinc	ppm	ASTM D5185(m)	1350	<b>891</b>	1209	1194
Sulfur	ppm	ASTM D5185(m)	4250	<b>1972</b>	2451	2595
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>21.2</b>	15.9	14.4
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	<b>12.6</b>	14.3	14.2



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0904195 **Received** : 17 Apr 2024  
**Lab Number** : 02629527 **Tested** : 19 Apr 2024  
**Unique Number** : 5762659 **Diagnosed** : 19 Apr 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: FUELDILUTION, PercentFuel )

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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.