



# OIL ANALYSIS REPORT

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

Machine Id  
**KUBOTA X900 MCP720**  
Component  
**Front Diesel Engine**  
Fluid  
**PETRO CANADA DURON HP 15W40 (--- LTR)**

## RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.  
Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0930761</b>	WC0865557	WC0820193
Sample Date		Client Info		<b>13 Apr 2024</b>	23 Nov 2023	31 Aug 2023
Machine Age	hrs	Client Info		<b>5232</b>	4839	4574
Oil Age	hrs	Client Info		<b>0</b>	450	0
Filter Age	hrs	Client Info		<b>0</b>	450	0
Oil Changed		Client Info		<b>Changed</b>	Changed	N/A
Filter Changed		Client Info		<b>Changed</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>22</b>	52	64
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	2
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>7</b>	8	11
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	3	2
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

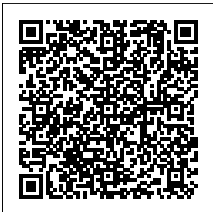
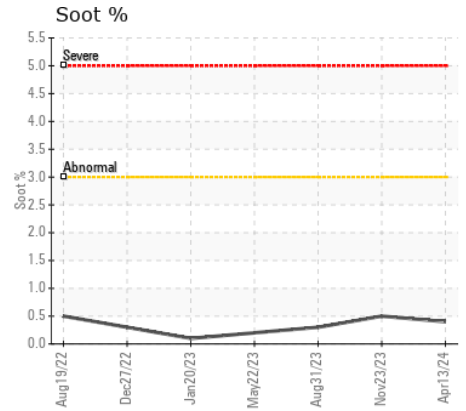
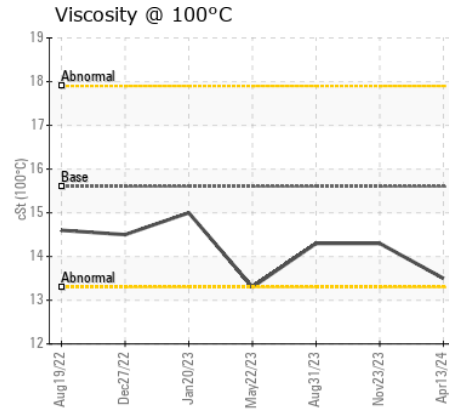
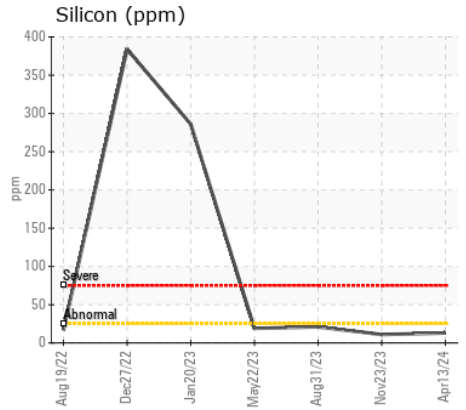
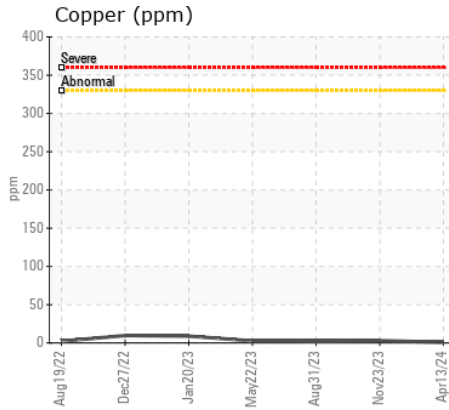
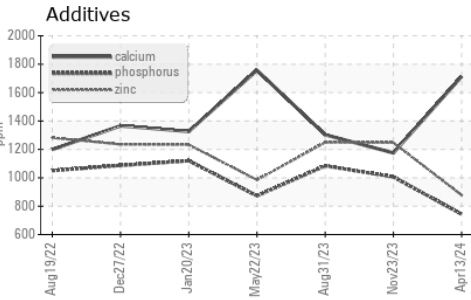
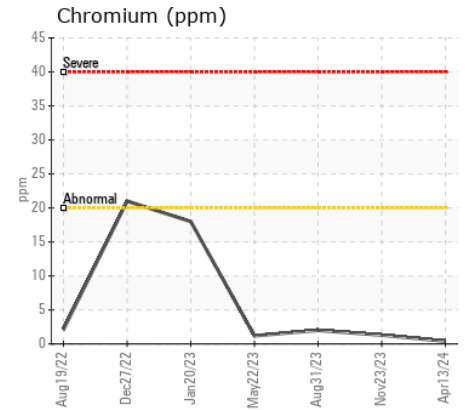
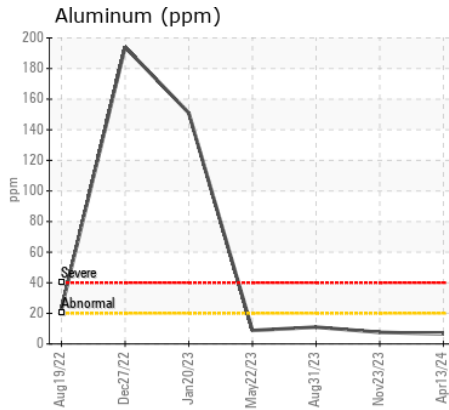
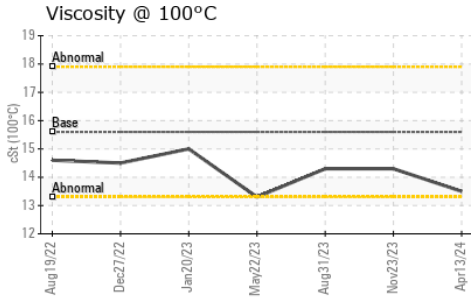
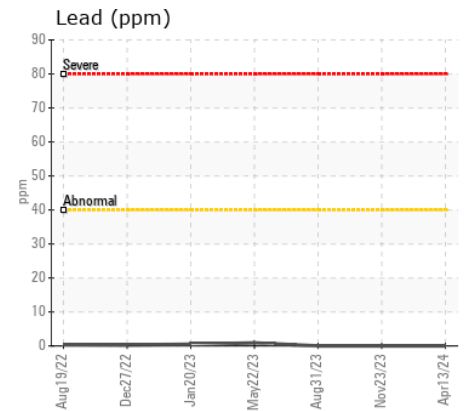
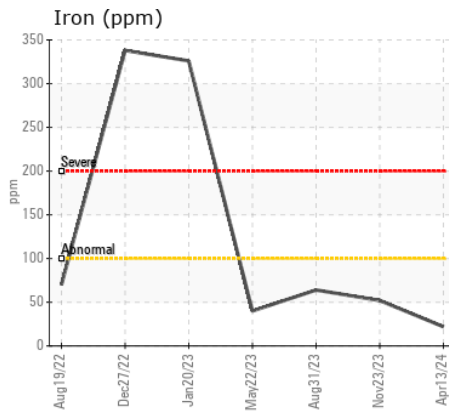
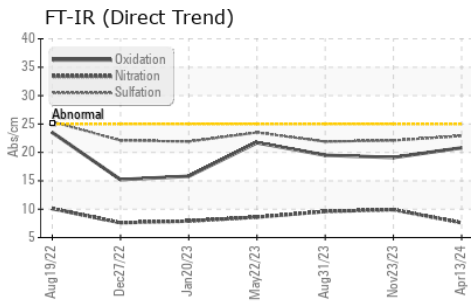
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>13</b>	11	21
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	2
Fuel		WC Method	>5	<b>&lt;1.0</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>0.4</b>	0.5	0.3
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.6</b>	9.9	9.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>22.9</b>	22.1	21.9
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil.  
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>4</b>	3	3
Boron	ppm	ASTM D5185(m)	0	<b>46</b>	3	9
Barium	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Molybdenum	ppm	ASTM D5185(m)	60	<b>41</b>	63	62
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	<b>546</b>	1019	986
Calcium	ppm	ASTM D5185(m)	1070	<b>1713</b>	1175	1303
Phosphorus	ppm	ASTM D5185(m)	1150	<b>744</b>	1006	1084
Zinc	ppm	ASTM D5185(m)	1270	<b>878</b>	1247	1249
Sulfur	ppm	ASTM D5185(m)	2060	<b>2052</b>	2429	2625
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>20.8</b>	19.1	19.5
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	<b>13.5</b>	14.3	14.3



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0930761  
**Lab Number** : 02629526  
**Unique Number** : 5762658  
**Test Package** : MOB 1

**Received** : 17 Apr 2024  
**Tested** : 17 Apr 2024  
**Diagnosed** : 17 Apr 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.