



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

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		WC0930835	WC0930761	WC0865557
Sample Date		Client Info		22 Jun 2024	13 Apr 2024	23 Nov 2023
Machine Age	hrs	Client Info		5501	5232	4839
Oil Age	hrs	Client Info		0	0	450
Filter Age	hrs	Client Info		0	0	450
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	36	22	52
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	1
Nickel	ppm	ASTM D5185(m)	>4	<1	0	<1
Titanium	ppm	ASTM D5185(m)		<1	<1	0
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	12	7	8
Lead	ppm	ASTM D5185(m)	>40	0	0	0
Copper	ppm	ASTM D5185(m)	>330	1	<1	3
Tin	ppm	ASTM D5185(m)	>15	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

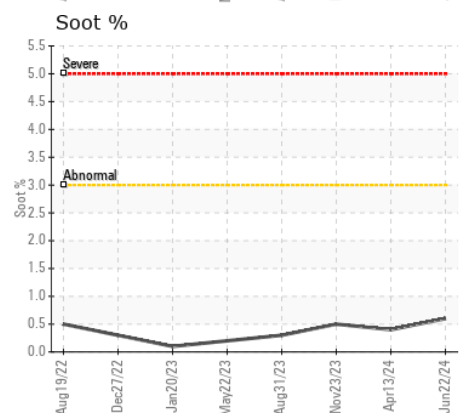
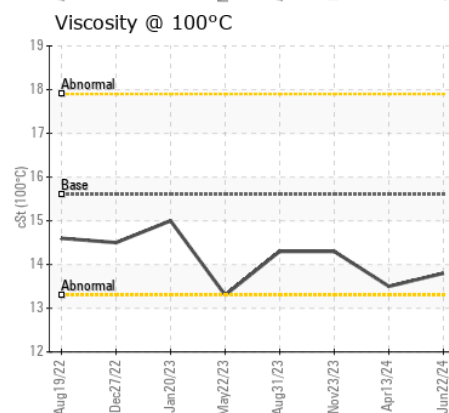
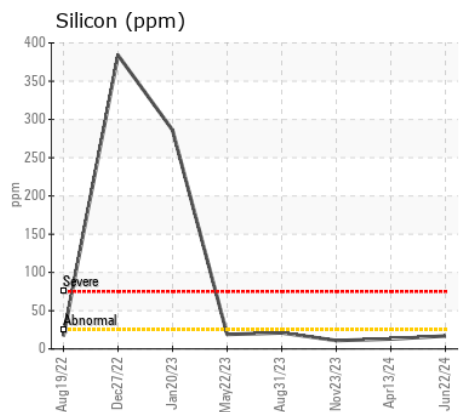
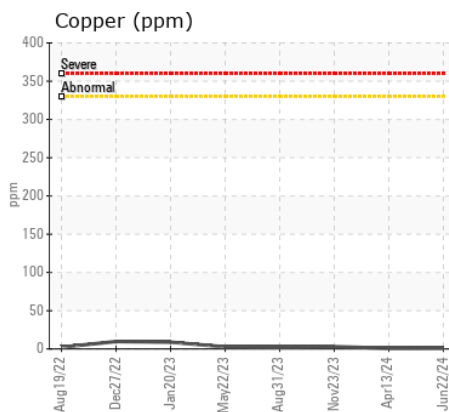
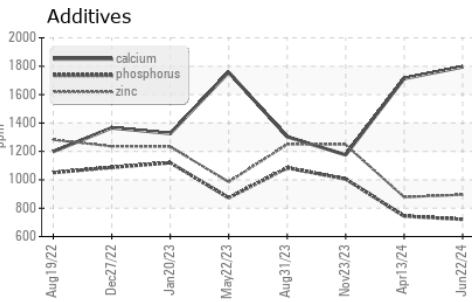
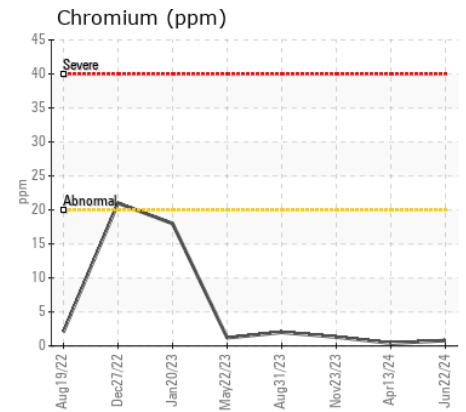
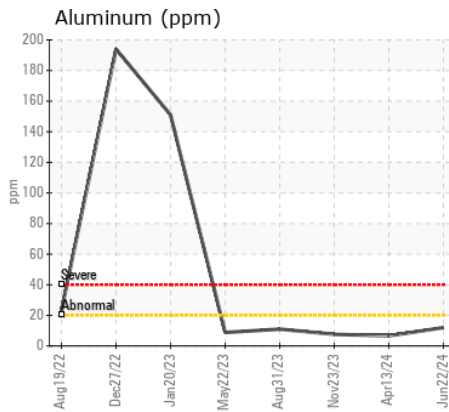
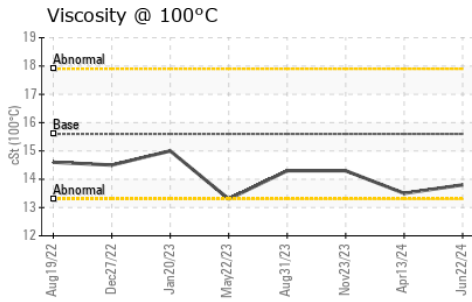
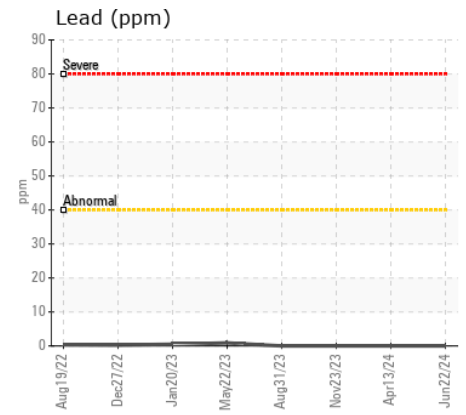
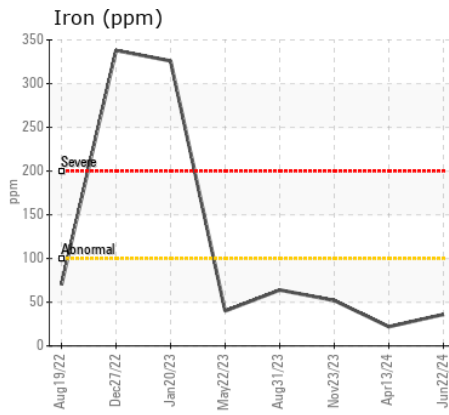
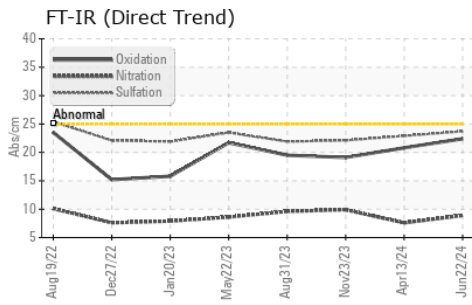
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	17	13	11
Potassium	ppm	ASTM D5185(m)	>20	3	<1	<1
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	0.6	0.4	0.5
Nitration	Abs/cm	ASTM D7624*	>20	8.9	7.6	9.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.7	22.9	22.1
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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		5	4	3
Boron	ppm	ASTM D5185(m)	0	42	46	3
Barium	ppm	ASTM D5185(m)	0	<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)	60	42	41	63
Manganese	ppm	ASTM D5185(m)	0	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	517	546	1019
Calcium	ppm	ASTM D5185(m)	1070	1795	1713	1175
Phosphorus	ppm	ASTM D5185(m)	1150	721	744	1006
Zinc	ppm	ASTM D5185(m)	1270	895	878	1247
Sulfur	ppm	ASTM D5185(m)	2060	1999	2052	2429
Oxidation	Abs/.1mm	ASTM D7414*	>25	22.4	20.8	19.1
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	13.8	13.5	14.3



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0930835
Lab Number : 02645413
Unique Number : 5802952
Test Package : MOB 1

Agnico Eagle Canada
 1350 Government Rd. W, MACASSA COMPLEX
 Kirkland Lake, ON
 CA P2N 3J1
 Contact: Jay Gould
 MacassaMobileUGPlanning@agnicoeagle.com
 T: (705)567-5208
 F: (705)567-5221

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.