



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

Duncan

Machine Id

KUBOTA V3300 K1985 (S/N 2GN1985)

Component

Diesel Engine

Fluid

MOBIL 15W40 (15 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0894248	WC0894279	WC0894254
Sample Date		Client Info		12 May 2024	17 Mar 2024	04 Feb 2024
Machine Age	hrs	Client Info		23830	23100	22280
Oil Age	hrs	Client Info		730	820	240
Filter Age	hrs	Client Info		170	200	240
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	3	3	1
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>4	0	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<1	<1	1
Lead	ppm	ASTM D5185(m)	>40	0	0	<1
Copper	ppm	ASTM D5185(m)	>330	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

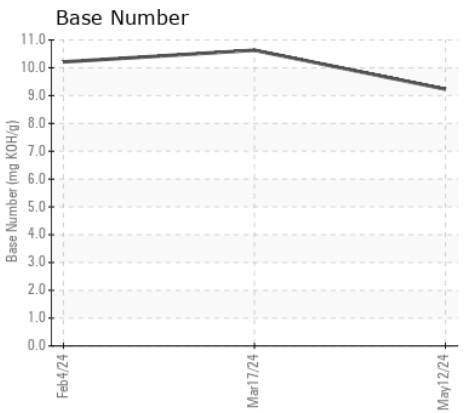
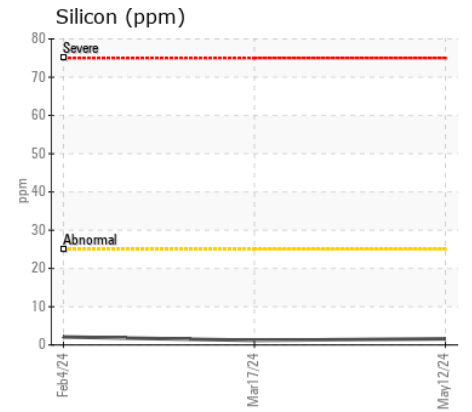
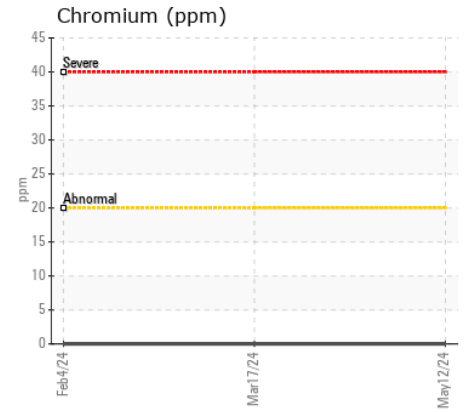
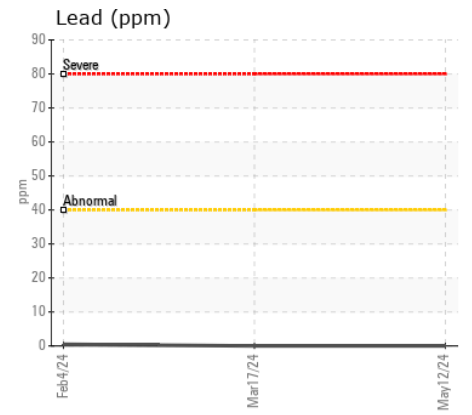
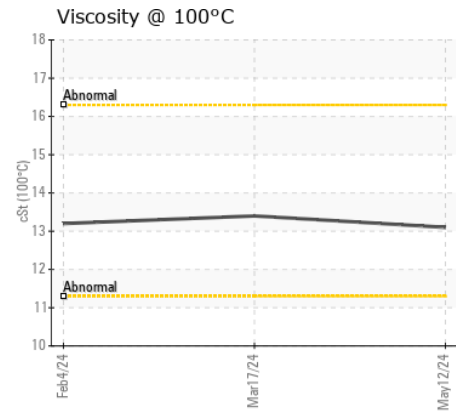
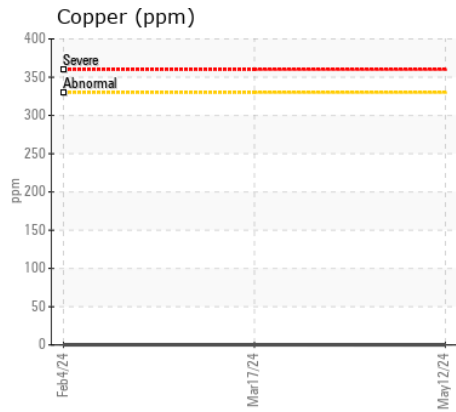
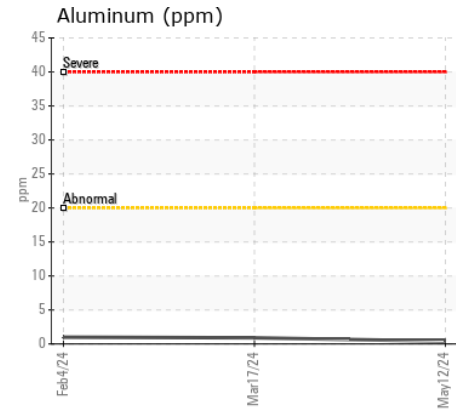
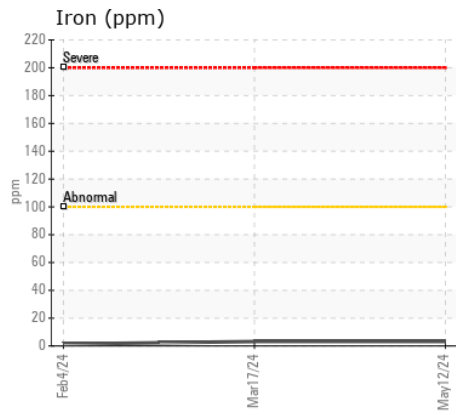
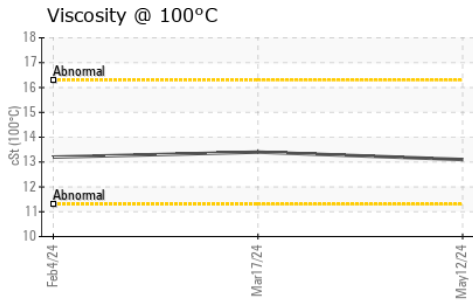
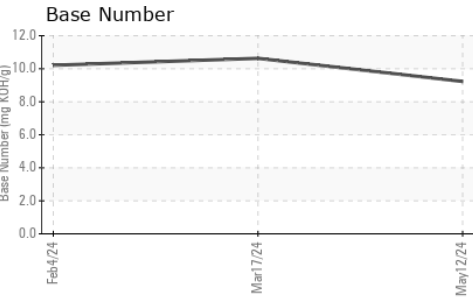
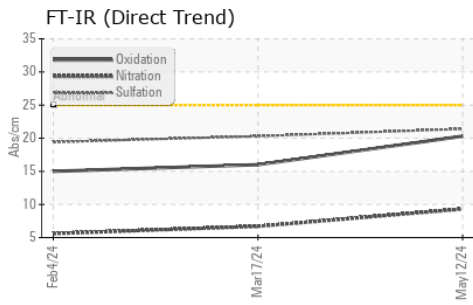
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	2	1	2
Potassium	ppm	ASTM D5185(m)	>20	<1	0	<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	0.1	0
Nitration	Abs/cm	ASTM D7624*	>20	9.3	6.7	5.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.4	20.3	19.4
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)	>118	3	<1	1
Boron	ppm	ASTM D5185(m)		2	2	2
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		60	63	59
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		920	1032	970
Calcium	ppm	ASTM D5185(m)		1036	1098	1069
Phosphorus	ppm	ASTM D5185(m)		990	1014	1015
Zinc	ppm	ASTM D5185(m)		1179	1238	1172
Sulfur	ppm	ASTM D5185(m)		2536	2613	2817
Oxidation	Abs/.1mm	ASTM D7414*	>25	20.3	16.0	15.0
Base Number (BN)	mg KOH/g	ASTM D2896*		9.23	10.63	10.21
Visc @ 100°C	cSt	ASTM D7279(m)		13.1	13.4	13.2



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0894248
Lab Number : 02640413
Unique Number : 5789575
Test Package : MOB 2

Received : 07 Jun 2024
Tested : 10 Jun 2024
Diagnosed : 10 Jun 2024 - Kevin Marson

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.

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