MOB II WEAR CHECK

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.

WEAR

All component wear rates are normal.

CONTAMINATION

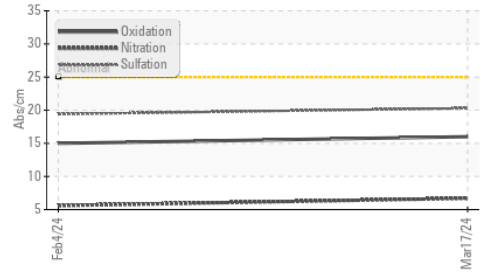
There is no indication of any contamination in the oil.

FLUID CONDITION

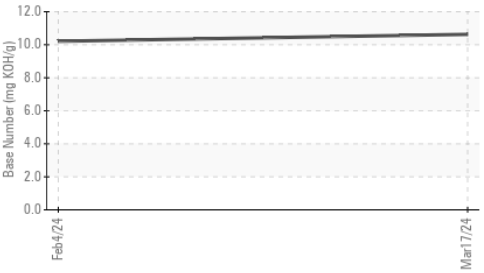
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0894279	WC0894254	---
Sample Date		Client Info		17 Mar 2024	04 Feb 2024	---
Machine Age	hrs	Client Info		23100	22280	---
Oil Age	hrs	Client Info		820	240	---
Filter Age	hrs	Client Info		200	240	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---
Iron	ppm	ASTM D5185(m)	>100	3	1	---
Chromium	ppm	ASTM D5185(m)	>20	0	0	---
Nickel	ppm	ASTM D5185(m)	>4	0	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	<1	1	---
Lead	ppm	ASTM D5185(m)	>40	0	<1	---
Copper	ppm	ASTM D5185(m)	>330	<1	<1	---
Tin	ppm	ASTM D5185(m)	>15	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Silicon	ppm	ASTM D5185(m)	>25	1	2	---
Potassium	ppm	ASTM D5185(m)	>20	0	<1	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0.1	0	---
Nitration	Abs/cm	ASTM D7624*	>20	6.7	5.6	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.3	19.4	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---
Sodium	ppm	ASTM D5185(m)	>118	<1	1	---
Boron	ppm	ASTM D5185(m)		2	2	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		63	59	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)		1032	970	---
Calcium	ppm	ASTM D5185(m)		1098	1069	---
Phosphorus	ppm	ASTM D5185(m)		1014	1015	---
Zinc	ppm	ASTM D5185(m)		1238	1172	---
Sulfur	ppm	ASTM D5185(m)		2613	2817	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.0	15.0	---
Base Number (BN)	mg KOH/g	ASTM D2896*		10.63	10.21	---
Visc @ 100°C	cSt	ASTM D7279(m)		13.4	13.2	---

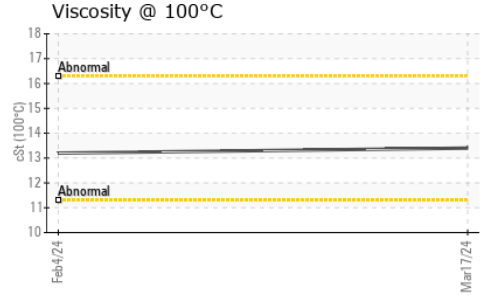
FT-IR (Direct Trend)



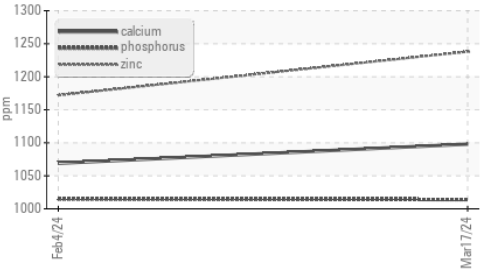
Base Number



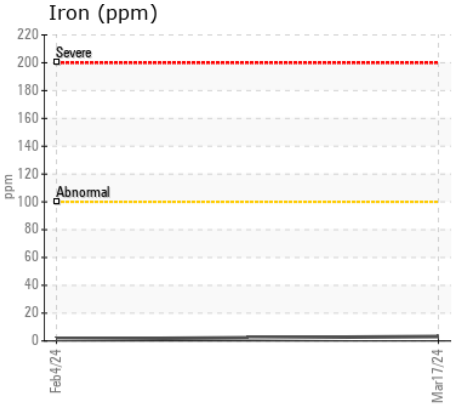
Viscosity @ 100°C



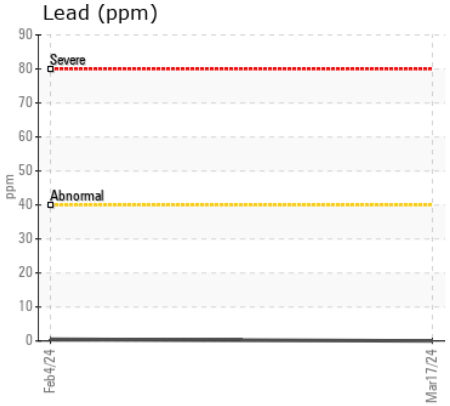
Additives



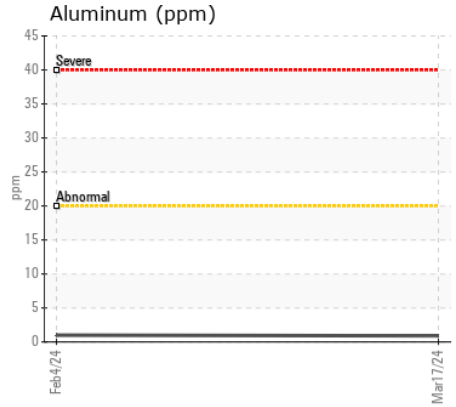
Iron (ppm)



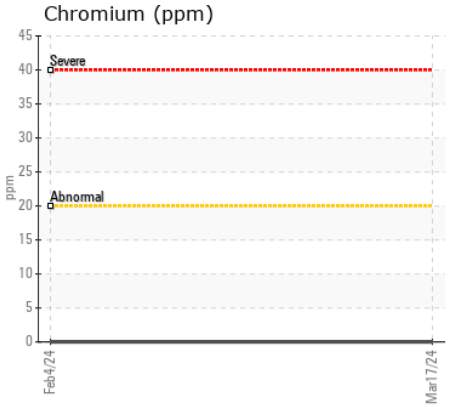
Lead (ppm)



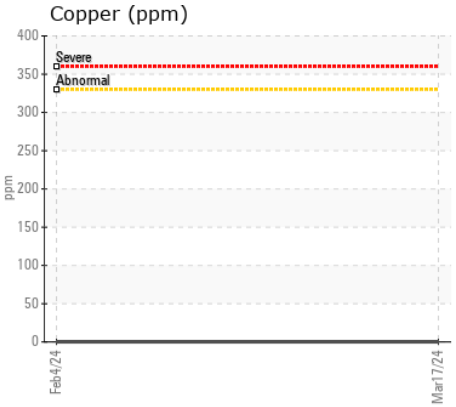
Aluminum (ppm)



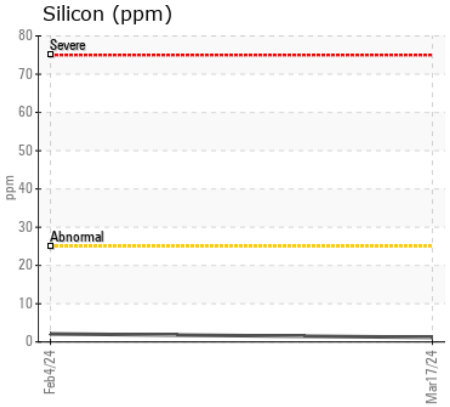
Chromium (ppm)



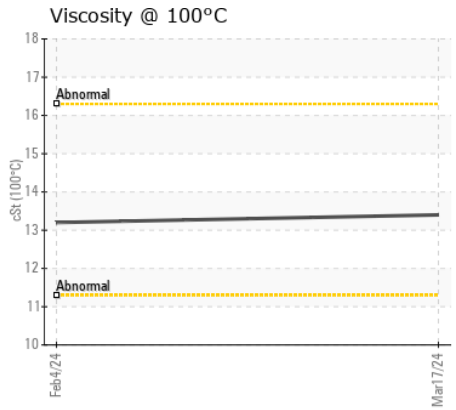
Copper (ppm)



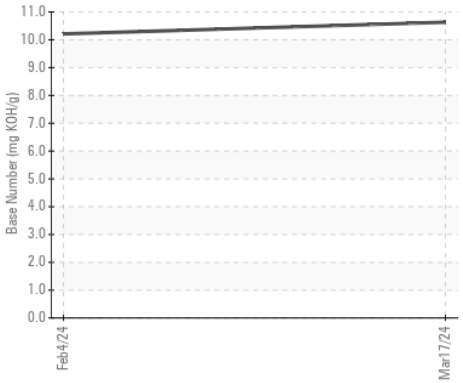
Silicon (ppm)



Viscosity @ 100°C



Base Number



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0894279
Lab Number : 02627214
Unique Number : 5760346
Test Package : MOB 2

Received : 08 Apr 2024
Tested : 09 Apr 2024
Diagnosed : 09 Apr 2024 - Wes Davis

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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