MOB II WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
GUAY SON [CONHER]
Machine Id
Máquina principal Mantito I
Component
Auxiliary Auxiliary Engine
Fluid
XTRA REV 15W40 (8 LTR)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

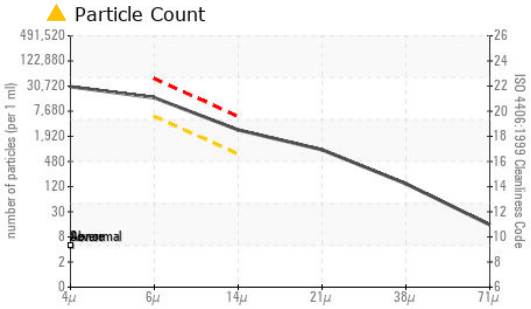
CONTAMINATION

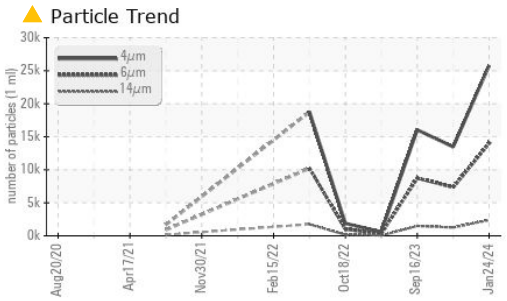
There is a high amount of particulates present in the oil. Fuel content negligible.

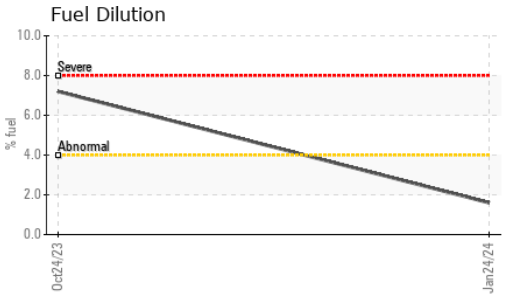
FLUID CONDITION

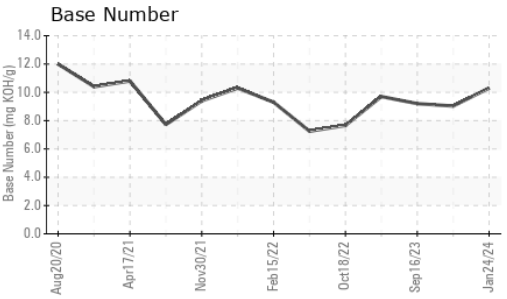
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

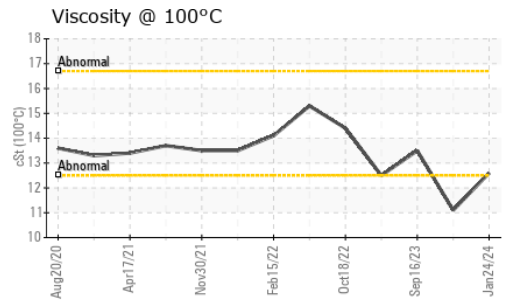
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KL0013474	KL0013325	KL0012815
Sample Date		Client Info		24 Jan 2024	24 Oct 2023	16 Sep 2023
Machine Age	hrs	Client Info		0	16551	15840
Oil Age	hrs	Client Info		48	96	60
Filter Age	hrs	Client Info		48	96	60
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>100	6	18	13
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	2	<1
Lead	ppm	ASTM D5185m	>40	0	0	1
Copper	ppm	ASTM D5185m	>330	0	<1	2
Tin	ppm	ASTM D5185m	>15	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	9	7	7
Potassium	ppm	ASTM D5185m	>20	4	2	3
Fuel	%	ASTM D3524	>4.0	1.6	▲ 7.2	<1.0
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844		0.6	0	0
Nitration	Abs/cm	*ASTM D7624	>20	4.8	5.2	7.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	13.8	21.5	18.3
Particles >4µm		ASTM D7647		25751	13476	16042
Particles >6µm		ASTM D7647	>5000	▲ 14028	▲ 7341	▲ 8739
Particles >14µm		ASTM D7647	>640	▲ 2387	▲ 1249	▲ 1487
Particles >21µm		ASTM D7647	>160	▲ 804	▲ 421	▲ 501
Particles >38µm		ASTM D7647	>40	▲ 124	▲ 65	▲ 77
Particles >71µm		ASTM D7647	>10	▲ 13	7	8
Oil Cleanliness		ISO 4406 (c)	>19/16	▲ 21/18	▲ 20/17	▲ 20/18
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		0	<1	<1
Boron	ppm	ASTM D5185m		0	70	0
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	13	1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		8	68	10
Calcium	ppm	ASTM D5185m		2646	2213	3079
Phosphorus	ppm	ASTM D5185m		1192	1036	972
Zinc	ppm	ASTM D5185m		1317	1226	1132
Sulfur	ppm	ASTM D5185m		3781	2986	6278
Oxidation	Abs/.1mm	*ASTM D7414	>25	6.7	18.9	11.2
Base Number (BN)	mg KOH/g	ASTM D2896		10.30	9.03	9.20
Visc @ 100°C	cSt	ASTM D445		12.6	▲ 11.1	13.5

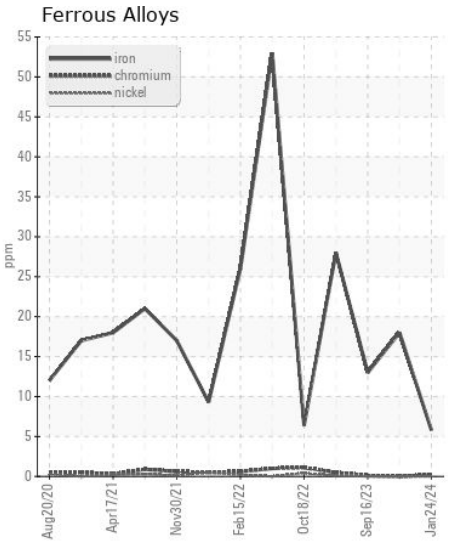


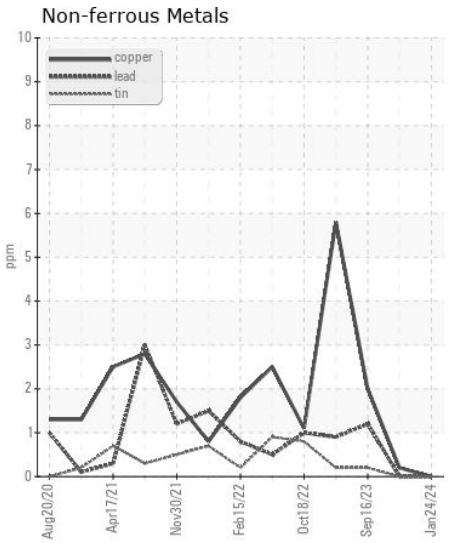


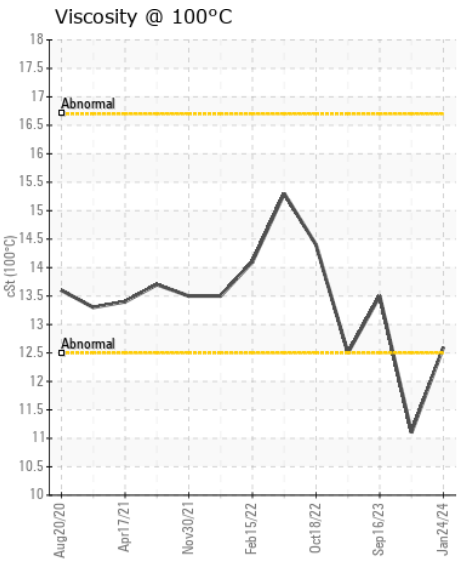


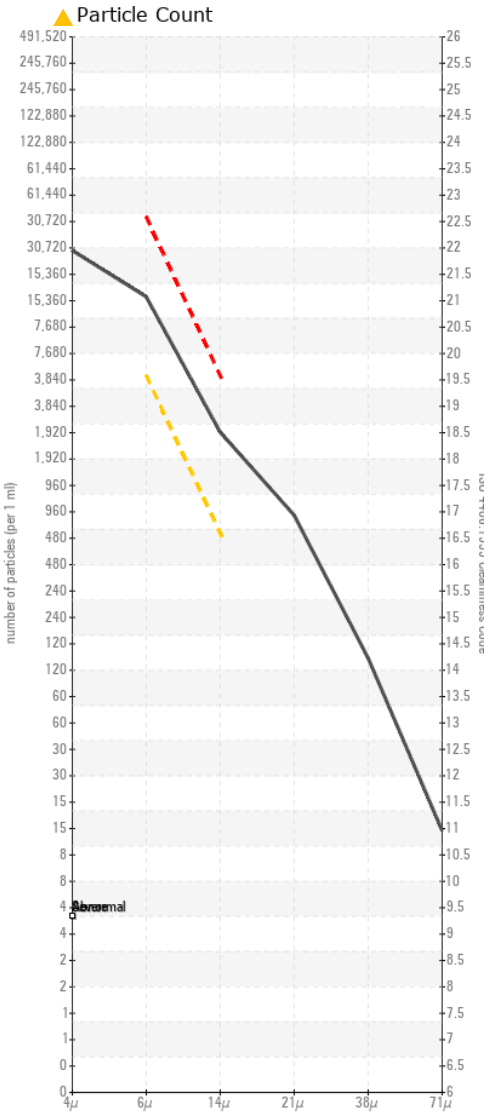


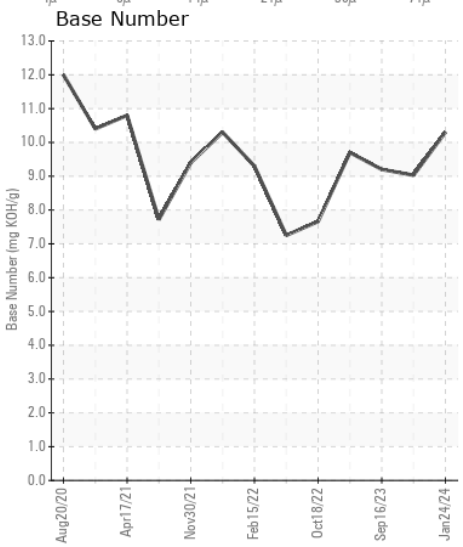












Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0013474 **Recieved** : 30 Jan 2024
Lab Number : 06075006 **Diagnosed** : 02 Feb 2024
Unique Number : 10857097 **Diagnostician** : Jonathan Hester
Test Package : MOB 2 (Additional Tests: PercentFuel, PrtCount)

Certificate L2367

To discuss this sample report, contact Customer Service at 1-800-237-1369.
** - Denotes test methods that are outside of the ISO 17025 scope of accreditation.*
Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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