MOB II WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CASE IH 9370 9370
Component
Diesel Engine
Fluid
SERVICE PRO 15W40 (10 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

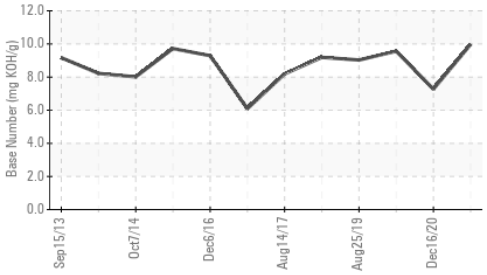
There is no indication of any contamination in the oil.

FLUID CONDITION

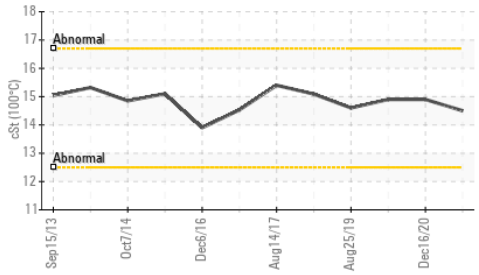
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RW0002243	RW0001143	RW0000816
Sample Date		Client Info		03 Jan 2023	16 Dec 2020	15 Jan 2020
Machine Age	hrs	Client Info		7507	6955	6339
Oil Age	hrs	Client Info		547	616	465
Filter Age	hrs	Client Info		547	616	465
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>65	65	57	57
Chromium	ppm	ASTM D5185m	>10	3	2	3
Nickel	ppm	ASTM D5185m	>4	<1	<1	0
Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	3	3
Lead	ppm	ASTM D5185m	>30	29	26	41
Copper	ppm	ASTM D5185m	>30	7	10	8
Tin	ppm	ASTM D5185m	>4	2	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	7	4	6
Potassium	ppm	ASTM D5185m	>20	2	0	6
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>6	2.6	2.7	2.2
Nitration	Abs/cm	*ASTM D7624	>20	14.8	13.6	13
Sulfation	Abs/.1mm	*ASTM D7415	>30	28.4	30.8	27.8
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	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		3	3	2
Boron	ppm	ASTM D5185m		8	8	8
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		72	31	72
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		1134	388	1017
Calcium	ppm	ASTM D5185m		1386	1657	1332
Phosphorus	ppm	ASTM D5185m		1303	756	950
Zinc	ppm	ASTM D5185m		1592	976	1283
Sulfur	ppm	ASTM D5185m		3349	1901	2334
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.0	24.2	23.4
Base Number (BN)	mg KOH/g	ASTM D2896		9.97	7.27	9.56
Visc @ 100°C	cSt	ASTM D445		14.5	14.9	14.9

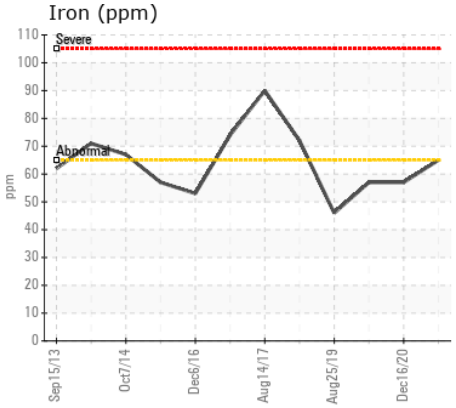
Base Number



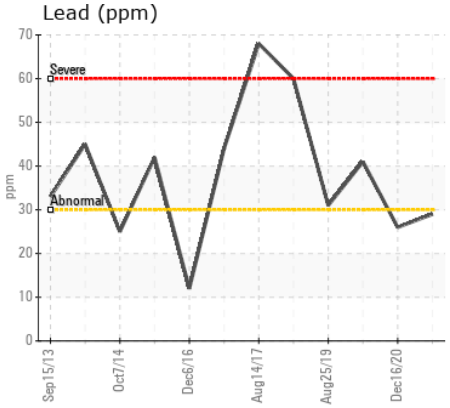
Viscosity @ 100°C



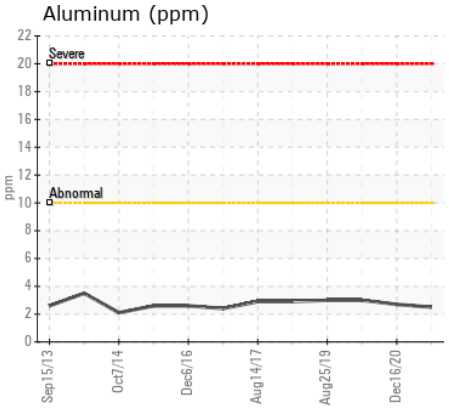
Iron (ppm)



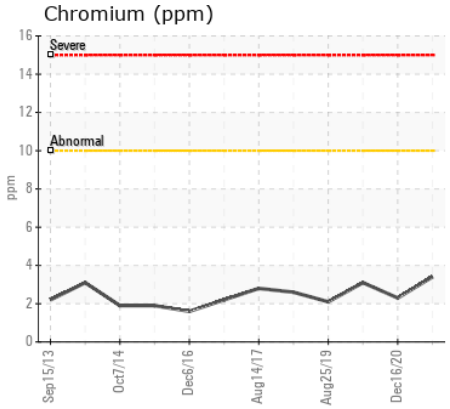
Lead (ppm)



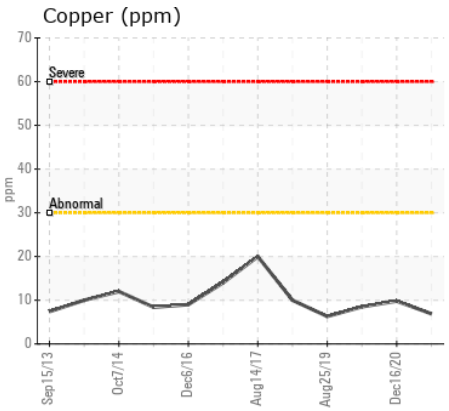
Aluminum (ppm)



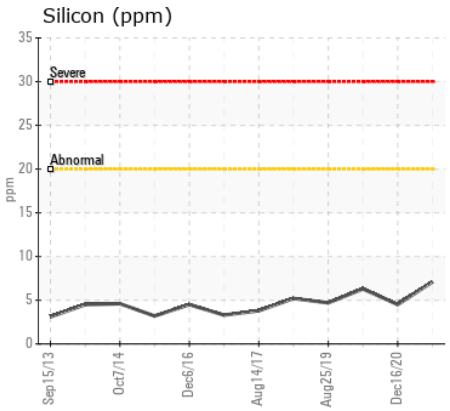
Chromium (ppm)



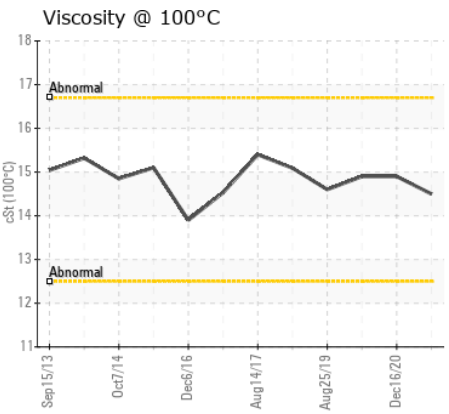
Copper (ppm)



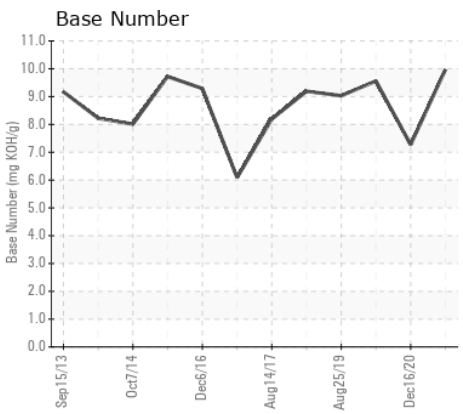
Silicon (ppm)



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RW0002243
Lab Number : 06048440
Unique Number : 10809048
Test Package : MOB 2

Received : 29 Dec 2023
Tested : 02 Jan 2024
Diagnosed : 03 Jan 2024 - Don Baldridge

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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