MOB II WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
MAN Fielding Gen 1
Component
Natural Gas Engine
Fluid
{not provided} (110 LTR)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

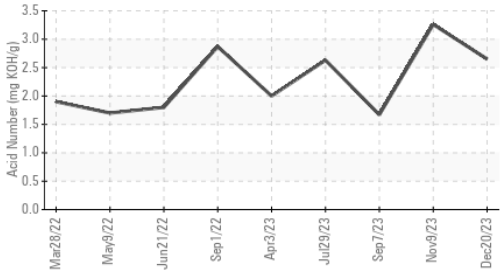
The i-pH level is abnormally low. The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The oil is no longer serviceable.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0788947	WC0788945	WC0788951
Sample Date		Client Info		20 Dec 2023	09 Nov 2023	07 Sep 2023
Machine Age	hrs	Client Info		9694	8139	7263
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Filter Changed		Client Info		Not Changd	Changed	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>50	17	14	5
Chromium	ppm	ASTM D5185(m)	>4	<1	<1	0
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>9	2	2	1
Lead	ppm	ASTM D5185(m)	>30	2	1	<1
Copper	ppm	ASTM D5185(m)	>35	10	4	1
Tin	ppm	ASTM D5185(m)	>4	<1	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Silicon	ppm	ASTM D5185(m)	>+100	5	3	4
Potassium	ppm	ASTM D5185(m)	>20	<1	0	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		---	---	---
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	19.9	15.3	8.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	24.5	20.7	15.8
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		2	1	1
Boron	ppm	ASTM D5185(m)		60	53	66
Barium	ppm	ASTM D5185(m)		0	<1	<1
Molybdenum	ppm	ASTM D5185(m)		25	30	47
Manganese	ppm	ASTM D5185(m)		1	<1	0
Magnesium	ppm	ASTM D5185(m)		11	9	9
Calcium	ppm	ASTM D5185(m)		2140	2043	1876
Phosphorus	ppm	ASTM D5185(m)		323	313	287
Zinc	ppm	ASTM D5185(m)		418	387	336
Sulfur	ppm	ASTM D5185(m)		867	810	849
Oxidation	Abs/.1mm	ASTM D7414*	>25	35.4	25.8	13.1
Acid Number (AN)	mg KOH/g	ASTM D974*		2.65	3.26	1.67
Base Number (BN)	mg KOH/g	ASTM D2896*		4.03	4.70	5.46
i-pH	Scale 0-14	ASTM D7946*	<4.5	▲ 4.00	▲ 3.39	5.05
Visc @ 100°C	cSt	ASTM D7279(m)		15.8	14.6	13.6

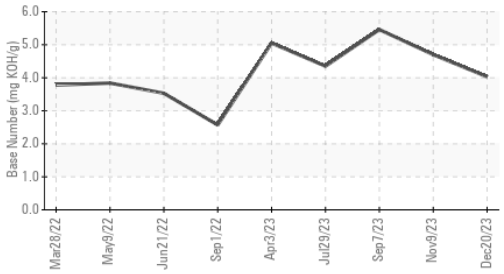
Report Id: PRO52NOT [WCAMIS] 02609275 (Generated: 01/23/2024 08:49:58) Rev: 1

Submitted By: Billy Alexopoulos

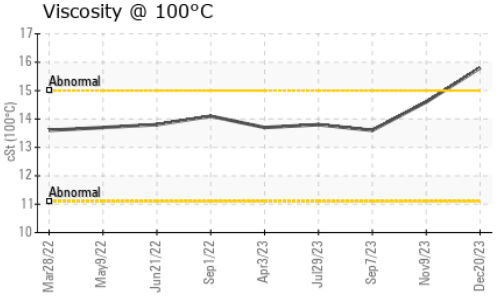
Acid Number



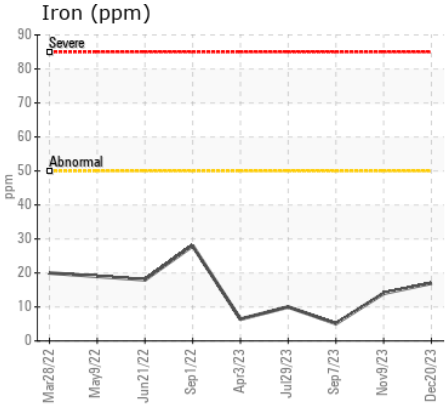
Base Number



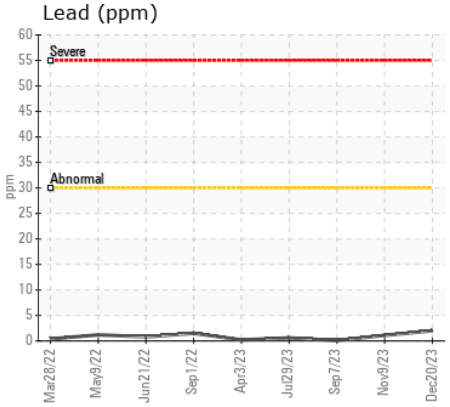
Viscosity @ 100°C



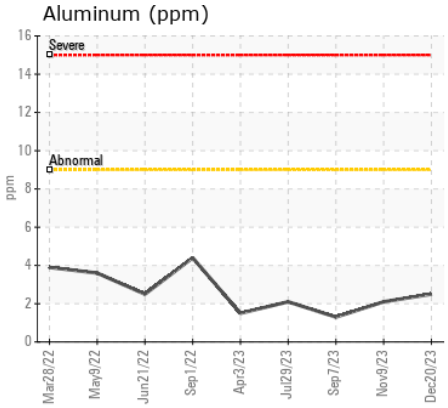
Iron (ppm)



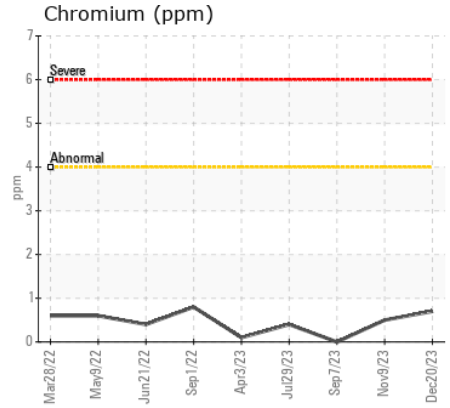
Lead (ppm)



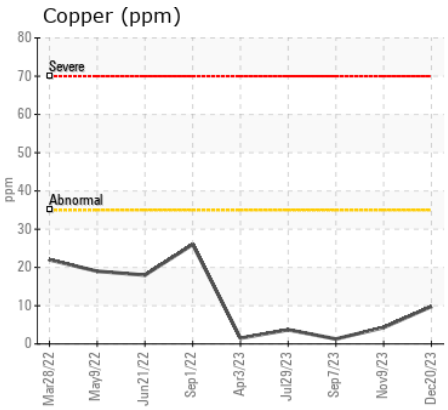
Aluminum (ppm)



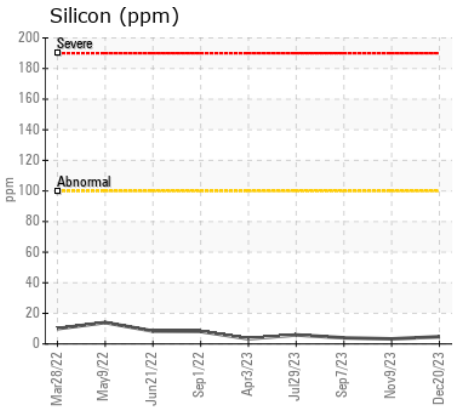
Chromium (ppm)



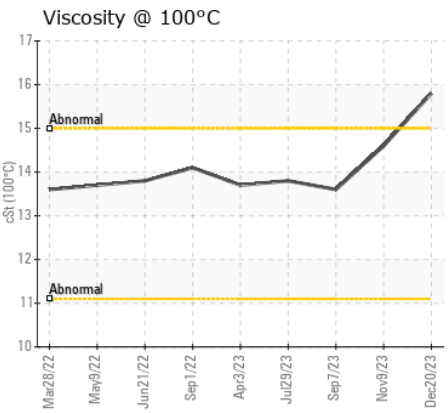
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



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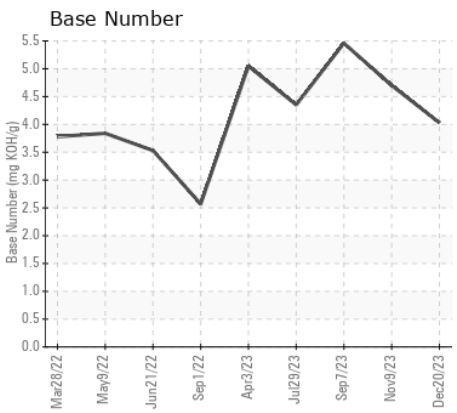

ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0788947 **Recieved** : 17 Jan 2024
Lab Number : 02609275 **Diagnosed** : 23 Jan 2024
Unique Number : 5710361 **Diagnostician** : Kevin Marson
Test Package : MOB 2 (Additional Tests: i-pH, TAN Auto)

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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