



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
MAN Fielding Gen 2
 Component
Natural Gas Engine
 Fluid
ADDINOL EXOGAS 4000XD (110 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0788948	WC0788946	WC0788950
Sample Date		Client Info		26 Mar 2024	20 Dec 2023	15 Nov 2023
Machine Age	hrs	Client Info		9464	7639	7637
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	7	7	8
Chromium	ppm	ASTM D5185(m)	>10	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	<1	0	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	2	2	2
Lead	ppm	ASTM D5185(m)	>20	4	9	13
Copper	ppm	ASTM D5185(m)	>15	7	6	8
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

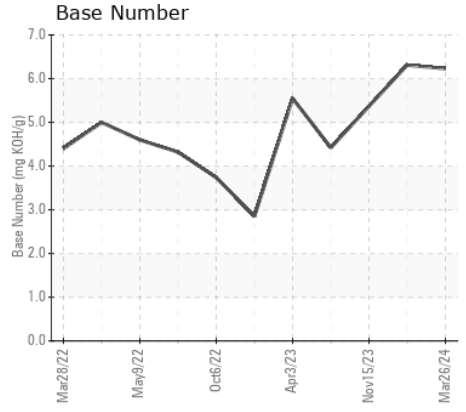
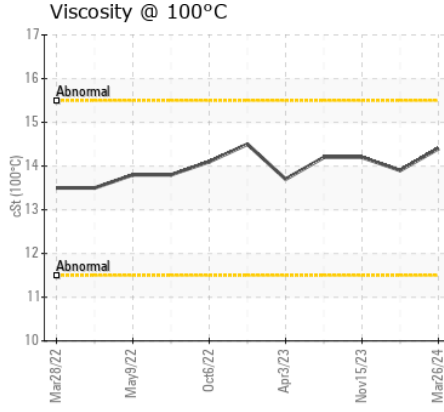
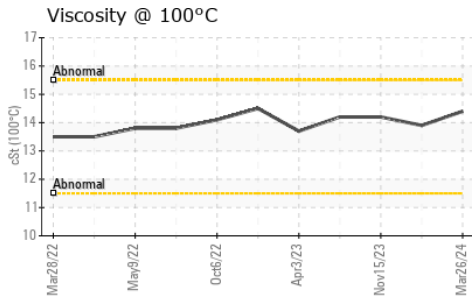
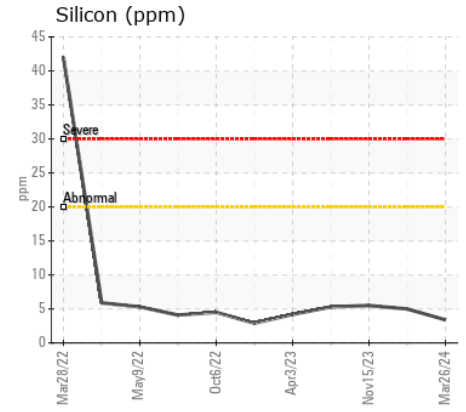
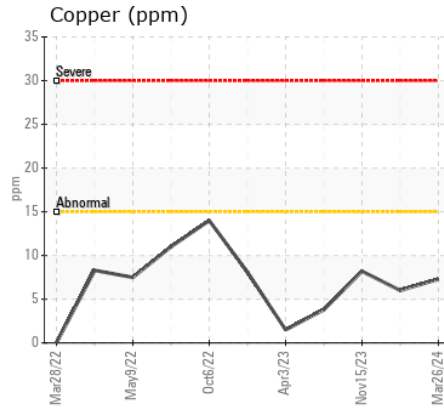
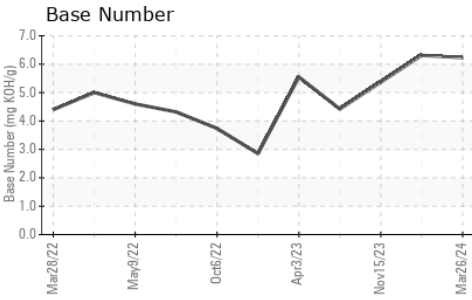
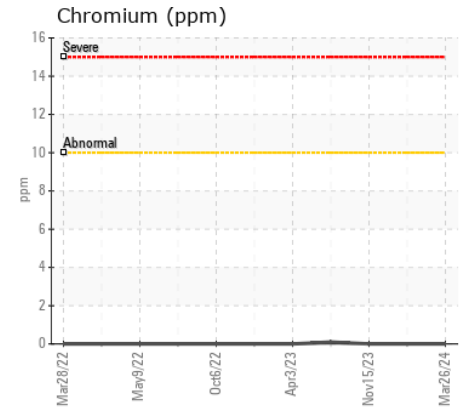
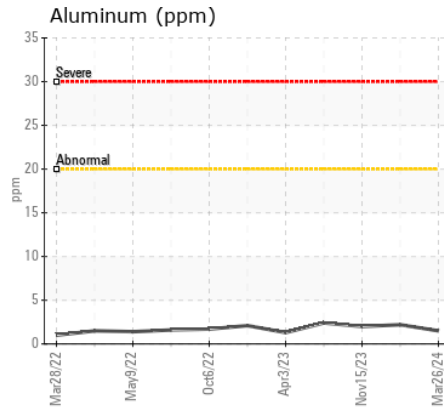
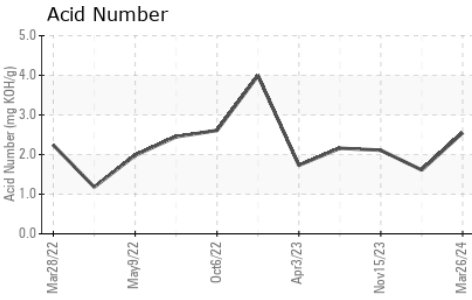
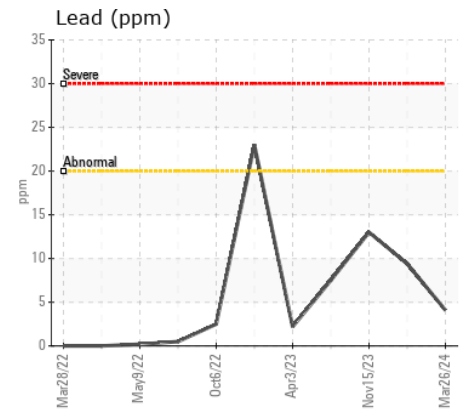
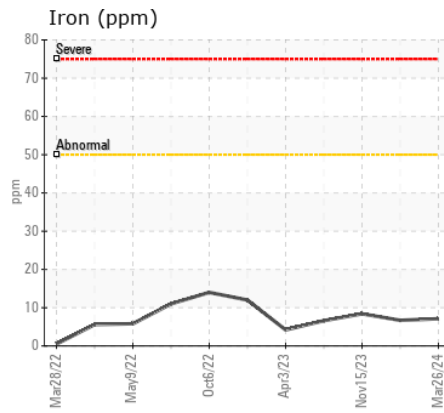
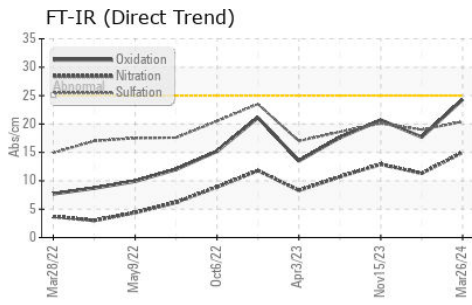
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	3	5	6
Potassium	ppm	ASTM D5185(m)	>20	2	<1	0
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	ASTM D7844*	>1.5	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	15.0	11.3	12.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.4	19.0	20.1
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		21	10	13
Boron	ppm	ASTM D5185(m)		71	74	66
Barium	ppm	ASTM D5185(m)		0	0	<1
Molybdenum	ppm	ASTM D5185(m)		2	25	42
Manganese	ppm	ASTM D5185(m)		5	6	8
Magnesium	ppm	ASTM D5185(m)		9	8	10
Calcium	ppm	ASTM D5185(m)		2057	1926	1984
Phosphorus	ppm	ASTM D5185(m)		312	301	304
Zinc	ppm	ASTM D5185(m)		397	364	401
Sulfur	ppm	ASTM D5185(m)		727	935	999
Oxidation	Abs/.1mm	ASTM D7414*	>25	24.3	17.7	20.7
Acid Number (AN)	mg KOH/g	ASTM D974*		2.55	1.61	2.11
Base Number (BN)	mg KOH/g	ASTM D2896*		6.23	6.31	5.37
i-pH	Scale 0-14	ASTM D7946*	<4.5	5.86	5.73	4.64
Visc @ 100°C	cSt	ASTM D7279(m)		14.4	13.9	14.2



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0788948 **Received** : 04 Apr 2024
Lab Number : 02626587 **Tested** : 09 Apr 2024
Unique Number : 5759719 **Diagnosed** : 09 Apr 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: i-pH, TAN Auto, TAN Man)

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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