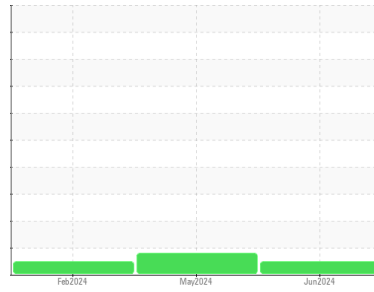




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area

Doyle

Machine Id
JOHN DEERE John Deere feed generator (S/N PE6068N015799)

Component

Diesel Engine

Fluid

MOBIL DELVAC 1 5W40 (30 LTR)

DIAGNOSIS

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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0894271	WC0894262	WC0894284
Sample Date	Client Info		25 Jun 2024	15 May 2024	07 Feb 2024
Machine Age	hrs	Client Info	1310	865	85
Oil Age	hrs	Client Info	445	780	85
Oil Changed	Client Info		Not Changed	Changed	Changed
Sample Status			NORMAL	ABNORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>2.1	<1.0	<1.0	0.7
Water	WC Method	>0.21	NEG	NEG	NEG
Glycol	WC Method		NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>51	13	19	8
Chromium	ppm	ASTM D5185(m)	>11	<1	<1	0
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>31	<1	<1	5
Lead	ppm	ASTM D5185(m)	>26	<1	2	1
Copper	ppm	ASTM D5185(m)	>26	30	▲ 118	4
Tin	ppm	ASTM D5185(m)	>4	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	291	3	23	255
Barium	ppm	ASTM D5185(m)	0.0	<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)	8.0	57	44	254
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	624	854	304	786
Calcium	ppm	ASTM D5185(m)	2158	1213	1988	1426
Phosphorus	ppm	ASTM D5185(m)	1132	1014	916	908
Zinc	ppm	ASTM D5185(m)	1300	1181	1071	985
Sulfur	ppm	ASTM D5185(m)	3616	2637	2838	2773
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS

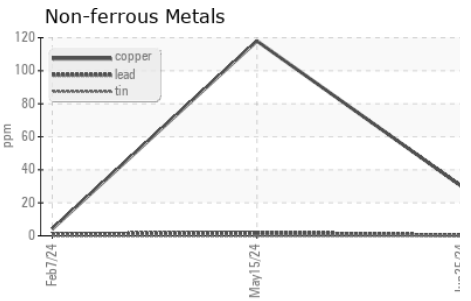
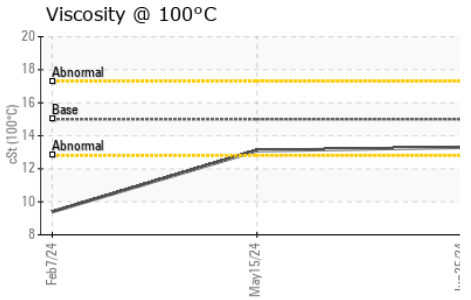
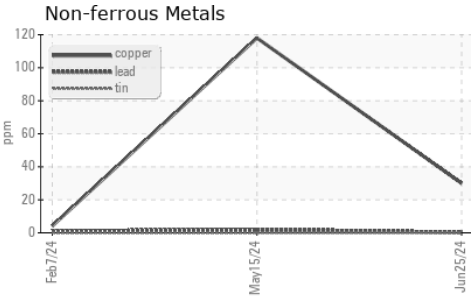
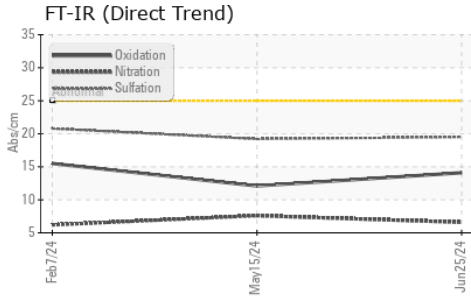
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>22	5	15	24
Sodium	ppm	ASTM D5185(m)	>31	2	2	2
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	1

INFRA-RED

	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>3	0.4	0.5	0
Nitration	Abs/cm	ASTM D7624*	>20	6.6	7.6	6.2
Sulfation	Abs./1mm	ASTM D7415*	>30	19.5	19.2	20.8



OIL ANALYSIS REPORT

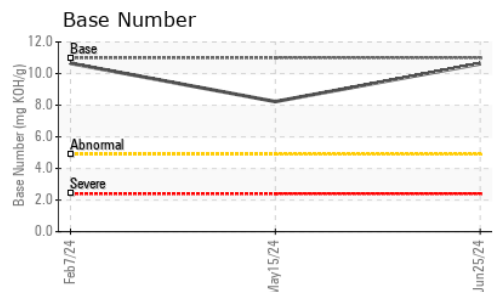
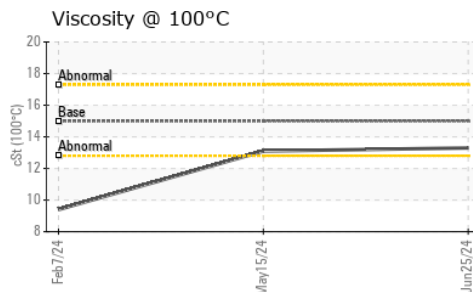
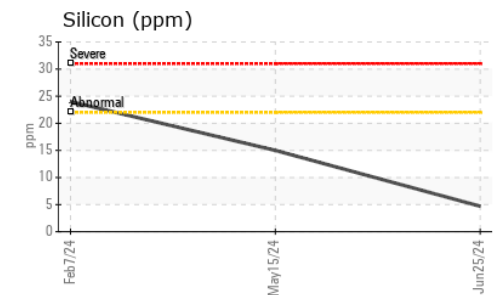
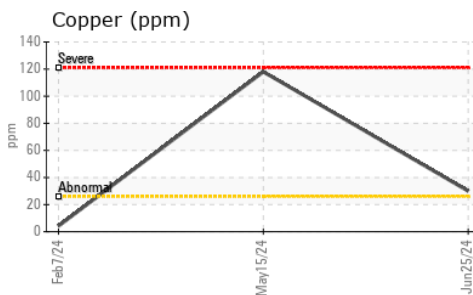
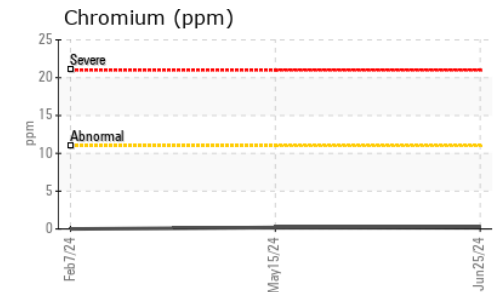
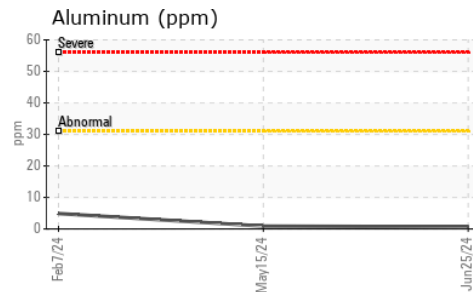
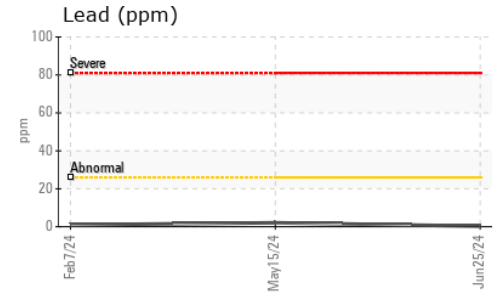
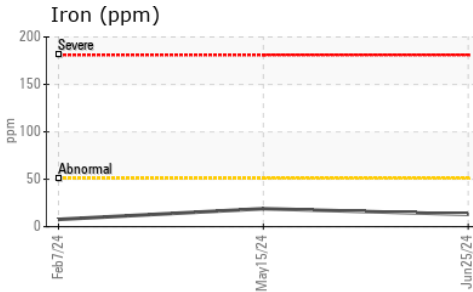


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	14.1	12.1	15.5
Base Number (BN)	mg KOH/g	ASTM D2896*	11.0	10.62	8.23	10.65

VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.21	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	15.0	13.3	13.1	9.4

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0894271 **Received** : 09 Jul 2024
Lab Number : **02646637** **Tested** : 10 Jul 2024
Unique Number : 5812189 **Diagnosed** : 10 Jul 2024 - Kevin Marson
Test Package : MOB 2

Mowi Canada West
 7200 Coho Road
 Port Hardy, BC
 CA V0N 2P0
 Contact: Brian Dalton
 brian.dalton@mowi.com

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.