MOBIL 1 WEAR CHECK

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 744P LDR016
Component
Diesel Engine
Fluid
MOBIL 15W40 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

WEAR

Iron ppm levels are abnormal. Cylinder, crank, or cam shaft wear is indicated.

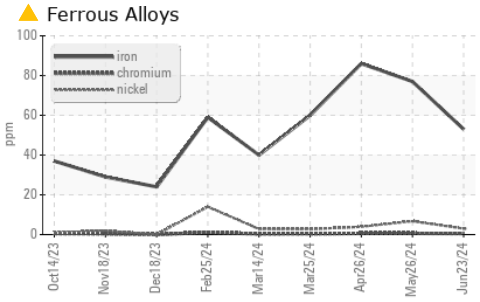
CONTAMINATION

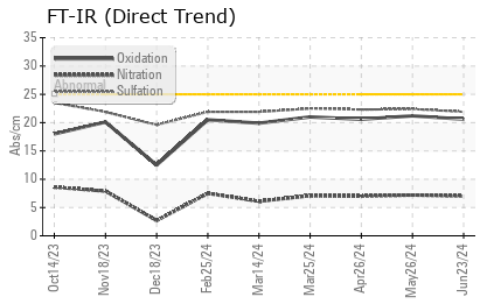
There is no indication of any contamination in the oil.

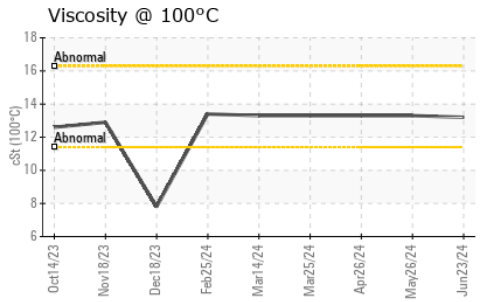
FLUID CONDITION

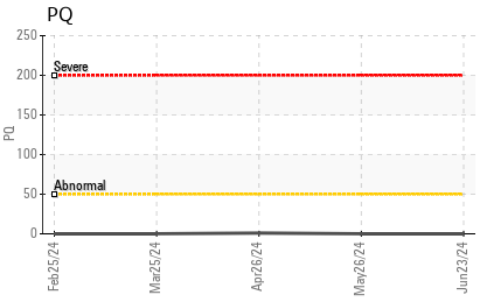
The oil is no longer serviceable as a result of the abnormal and/or severe wear.

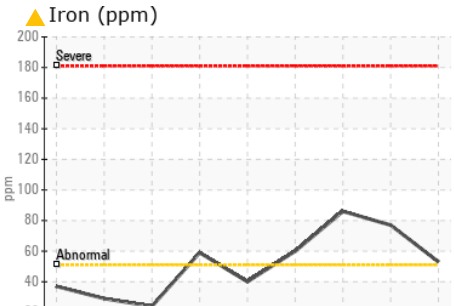
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**WC0930806**	WC0930811	WC0930789
Sample Date		Client Info		**23 Jun 2024**	26 May 2024	26 Apr 2024
Machine Age	hrs	Client Info		**5543**	0	4478
Oil Age	hrs	Client Info		**0**	0	500
Filter Age	hrs	Client Info		**0**	0	500
Oil Changed		Client Info		**Changed**	Changed	Changed
Filter Changed		Client Info		**Changed**	Changed	Changed
Sample Status				**ABNORMAL**	ABNORMAL	ABNORMAL
PQ		ASTM D8184*	>50	**0**	0	1
Iron	ppm	ASTM D5185(m)	>51	▲ **53**	▲ 77	▲ 86
Chromium	ppm	ASTM D5185(m)	>11	**<1**	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	**3**	7	4
Titanium	ppm	ASTM D5185(m)		**0**	0	0
Silver	ppm	ASTM D5185(m)	>3	**0**	0	0
Aluminum	ppm	ASTM D5185(m)	>31	**2**	2	2
Lead	ppm	ASTM D5185(m)	>26	**<1**	<1	0
Copper	ppm	ASTM D5185(m)	>26	**2**	2	2
Tin	ppm	ASTM D5185(m)	>4	**<1**	0	0
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Silicon	ppm	ASTM D5185(m)	>22	**4**	4	5
Potassium	ppm	ASTM D5185(m)	>20	**<1**	0	<1
Fuel		WC Method	>2.1	**<1.0**	<1.0	<1.0
Water		WC Method	>0.21	**NEG**	NEG	NEG
Glycol		WC Method		**NEG**	NEG	NEG
Soot %	%	ASTM D7844*	>3	**0.3**	0.4	0.3
Nitration	Abs/cm	ASTM D7624*	>20	**7.0**	7.2	7.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	**21.9**	22.4	22.3
Emulsified Water	scalar	Visual*	>0.21	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185(m)	>118	**2**	2	2
Boron	ppm	ASTM D5185(m)		**26**	30	32
Barium	ppm	ASTM D5185(m)		**0**	0	0
Molybdenum	ppm	ASTM D5185(m)		**39**	40	38
Manganese	ppm	ASTM D5185(m)		**<1**	<1	<1
Magnesium	ppm	ASTM D5185(m)		**488**	505	508
Calcium	ppm	ASTM D5185(m)		**1691**	1744	1748
Phosphorus	ppm	ASTM D5185(m)		**709**	736	735
Zinc	ppm	ASTM D5185(m)		**855**	866	873
Sulfur	ppm	ASTM D5185(m)		**2057**	2082	2084
Oxidation	Abs/.1mm	ASTM D7414*	>25	**20.6**	21.2	20.6
Visc @ 100°C	cSt	ASTM D7279(m)		**13.2**	13.3	13.3

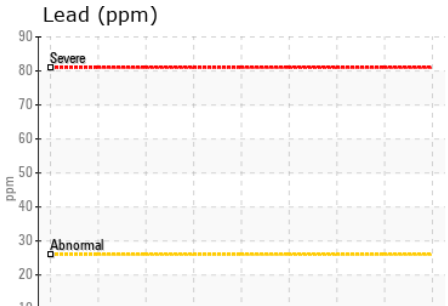


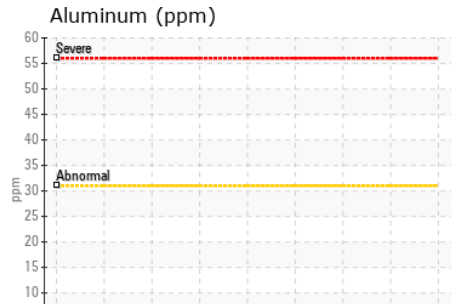


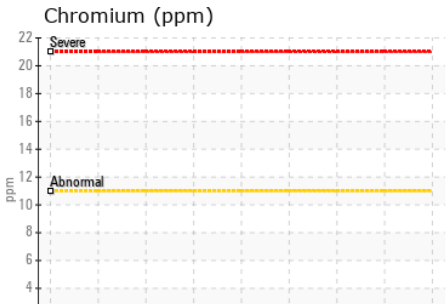


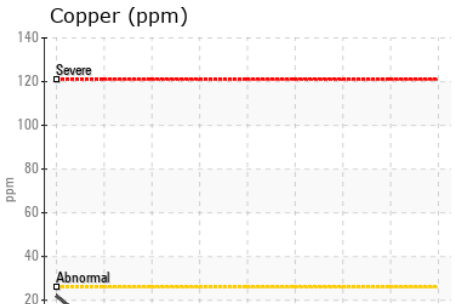


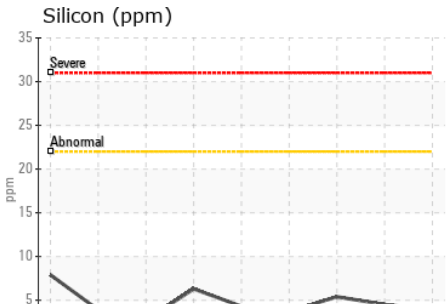


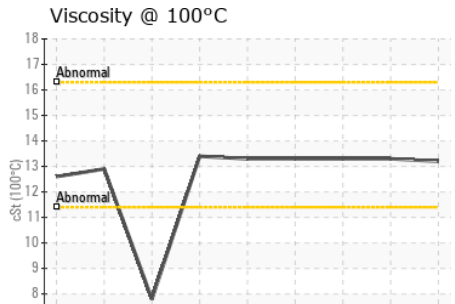


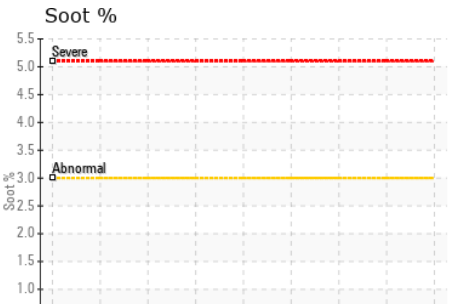












ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0930806 **Received** : 04 Jul 2024
Lab Number : 02645411 **Tested** : 05 Jul 2024
Unique Number : 5802950 **Diagnosed** : 05 Jul 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: PQ)

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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