MOB I

WAJAX POWER SYSTEMS / SYSTÈMES DE PUISSANCE

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
HOME HARDWARE [6100233747]
Machine Id
JOHN DEERE 117513
Component
Diesel Engine
Fluid
PETRO CANADA DURON HP 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

Metal levels are typical for a new component breaking in.

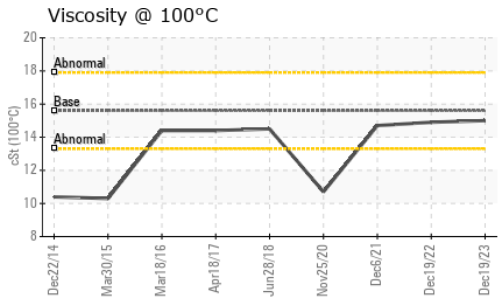
CONTAMINATION

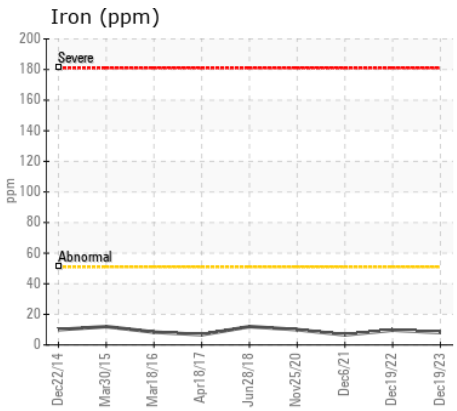
There is no indication of any contamination in the oil.

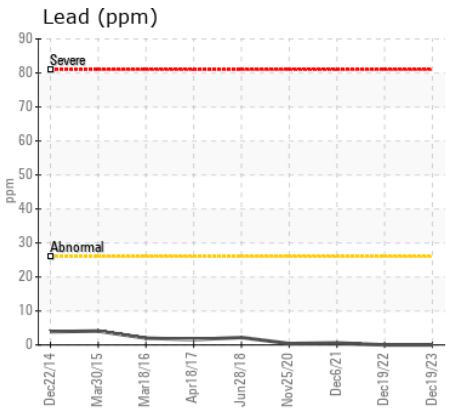
FLUID CONDITION

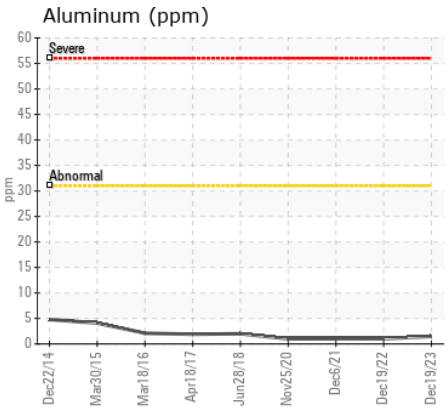
The condition of the oil is acceptable for the time in service.

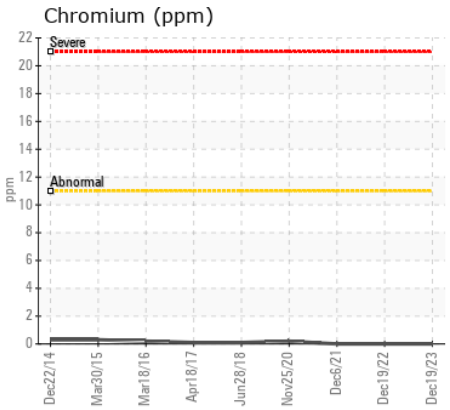
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WA0020863	WA0019017	WA0017291
Sample Date		Client Info		19 Dec 2023	19 Dec 2022	06 Dec 2021
Machine Age	hrs	Client Info		231	210	189
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>51	8	10	7
Chromium	ppm	ASTM D5185(m)	>11	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>31	2	1	1
Lead	ppm	ASTM D5185(m)	>26	0	0	<1
Copper	ppm	ASTM D5185(m)	>26	6	3	4
Tin	ppm	ASTM D5185(m)	>4	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Silicon	ppm	ASTM D5185(m)	>22	4	3	3
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	7
Fuel		WC Method	>2.1	<1.0	<1.0	<1.0
Water		WC Method	>0.21	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	0.0
Soot %	%	ASTM D7844*	>3	0.1	0	0
Nitration	Abs/cm	ASTM D7624*	>20	5.3	3.8	3.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.1	15.5	14.9
Emulsified Water	scalar	Visual*	>0.21	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)	>31	1	2	2
Boron	ppm	ASTM D5185(m)	0	7	26	176
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	56	48	<1
Manganese	ppm	ASTM D5185(m)	0	0	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	917	785	11
Calcium	ppm	ASTM D5185(m)	1070	1075	1252	2081
Phosphorus	ppm	ASTM D5185(m)	1150	1010	1060	972
Zinc	ppm	ASTM D5185(m)	1270	1154	1154	1101
Sulfur	ppm	ASTM D5185(m)	2060	2734	2683	2926
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.1	8.0	7.5
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	15.0	14.9	14.7

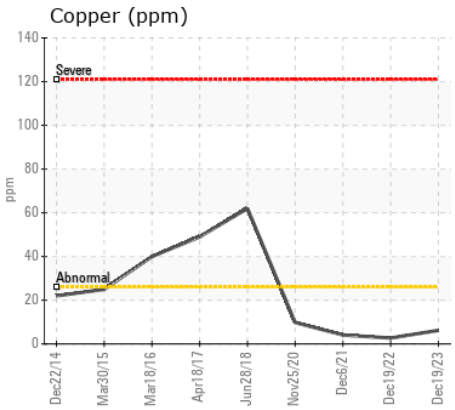


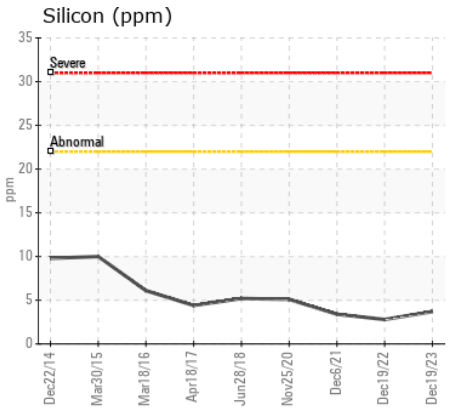


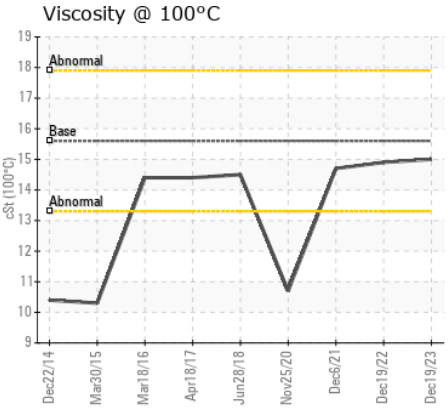


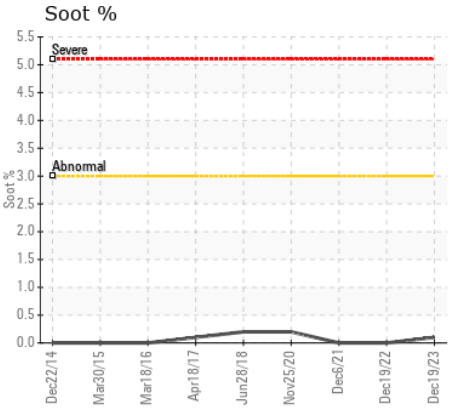












ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: WA0020863	**Recieved**	: 09 Jan 2024
Lab Number	: 02607387	**Diagnosed**	: 09 Jan 2024
Unique Number	: 5708473	**Diagnostician**	: Wes Davis
Test Package	: MOB 1		

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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