



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 4730
Component
Diesel Engine
Fluid
PETRO CANADA DURON HP 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0741954	WC0741949	---
Sample Date		Client Info		01 Feb 2024	10 Jan 2023	---
Machine Age	hrs	Client Info		3600	3263	---
Oil Age	hrs	Client Info		400	220	---
Filter Age	hrs	Client Info		400	220	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>51	19	24	---
Chromium	ppm	ASTM D5185(m)	>11	<1	0	---
Nickel	ppm	ASTM D5185(m)	>5	<1	0	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)	>3	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>31	1	1	---
Lead	ppm	ASTM D5185(m)	>26	1	1	---
Copper	ppm	ASTM D5185(m)	>26	<1	<1	---
Tin	ppm	ASTM D5185(m)	>4	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

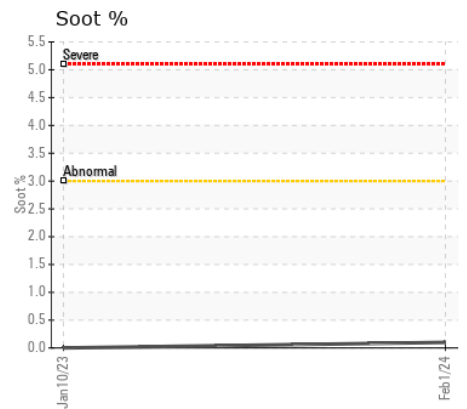
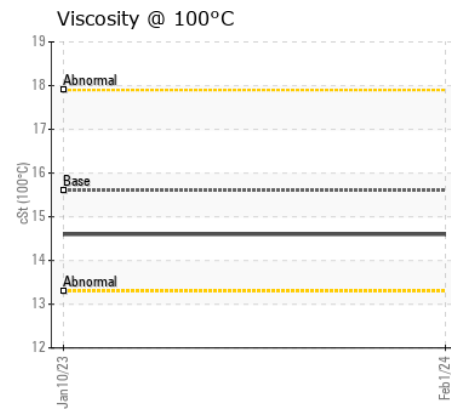
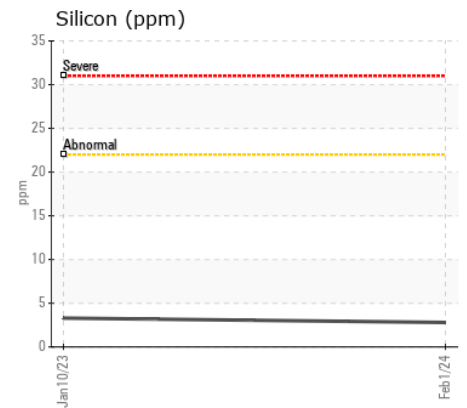
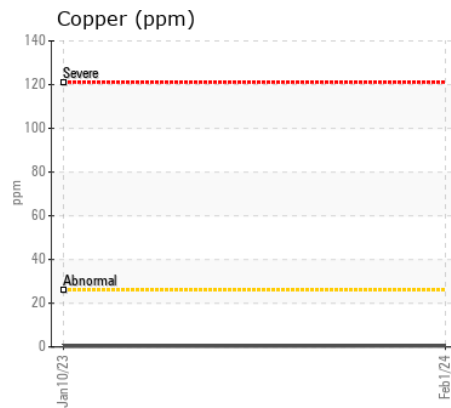
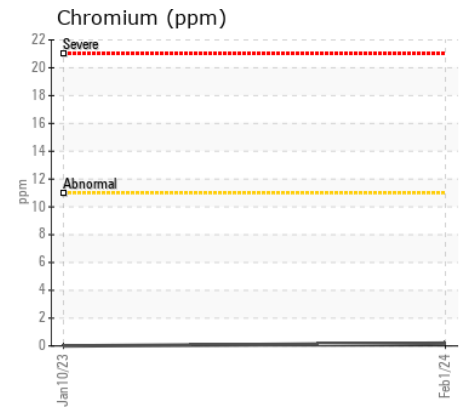
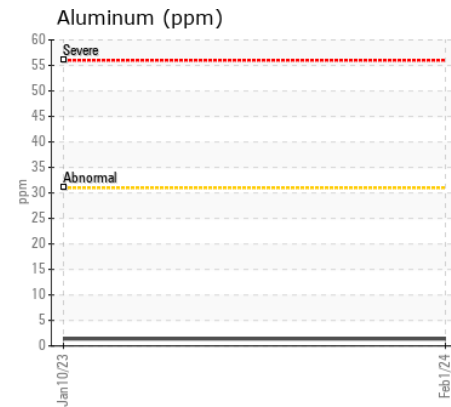
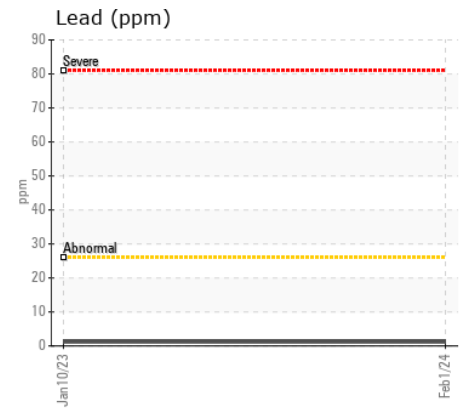
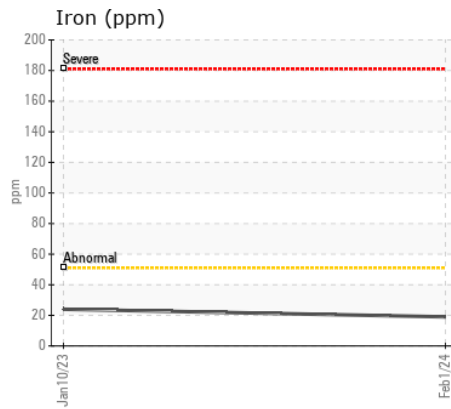
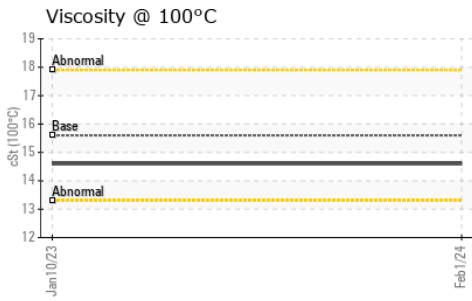
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>22	3	3	---
Potassium	ppm	ASTM D5185(m)	>20	2	<1	---
Fuel		WC Method	>2.1	<1.0	<1.0	---
Water		WC Method	>0.21	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0.1	0	---
Nitration	Abs/cm	ASTM D7624*	>20	6.3	6.1	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.4	19.2	---
Emulsified Water	scalar	Visual*	>0.21	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>31	2	2	---
Boron	ppm	ASTM D5185(m)	0	3	8	---
Barium	ppm	ASTM D5185(m)	0	0	0	---
Molybdenum	ppm	ASTM D5185(m)	60	59	56	---
Manganese	ppm	ASTM D5185(m)	0	0	<1	---
Magnesium	ppm	ASTM D5185(m)	1010	966	909	---
Calcium	ppm	ASTM D5185(m)	1070	1060	1112	---
Phosphorus	ppm	ASTM D5185(m)	1150	996	1081	---
Zinc	ppm	ASTM D5185(m)	1270	1150	1183	---
Sulfur	ppm	ASTM D5185(m)	2060	2680	2659	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.1	14.1	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	14.6	14.6	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0741954 **Received** : 08 Mar 2024
Lab Number : 02620771 **Tested** : 08 Mar 2024
Unique Number : 5737881 **Diagnosed** : 08 Mar 2024 - Wes Davis
Test Package : MOB 1

E Barlow Farms Inc.
 210 Barlow Rd.
 York, ON
 CA N0A 1R0
 Contact: Jeff Barlow
 jeff@barlowfarms.ca
 T: (905)520-7486
 F:

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.