



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
NORTHWEST HEALTHCARE [6100243955]

Machine Id
JOHN DEERE PE4045D811632

Component
Diesel Engine

Fluid
PETRO CANADA DURON HP 15W40 (--- LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WA0021035	WA0017520	WA0013279
Sample Date		Client Info		11 Jan 2024	21 Jan 2022	30 Aug 2018
Machine Age	hrs	Client Info		338	286	188
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

WEAR

Metal levels are typical for a new component breaking in.

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

CONTAMINATION

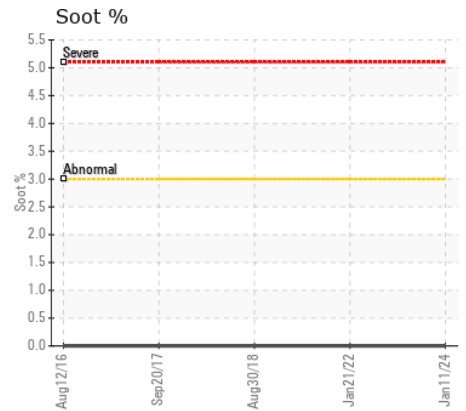
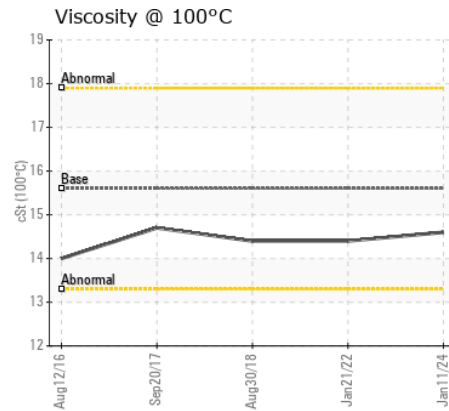
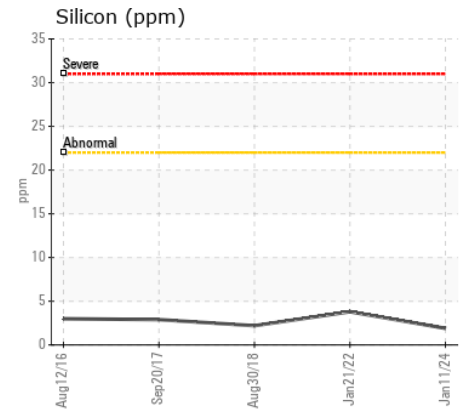
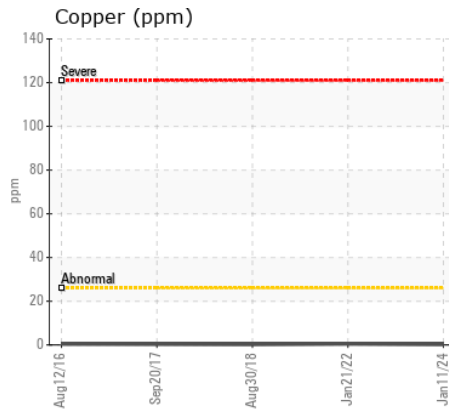
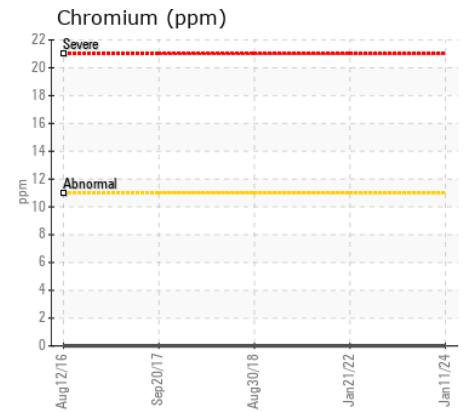
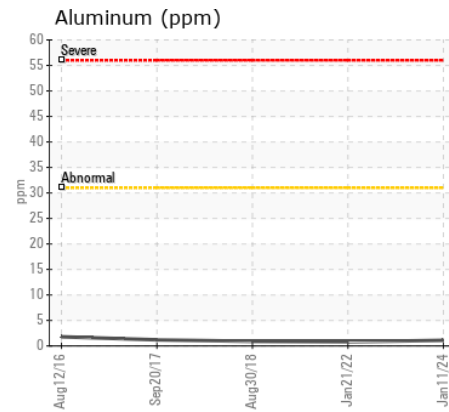
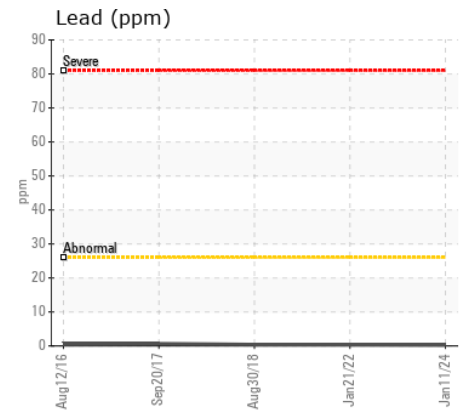
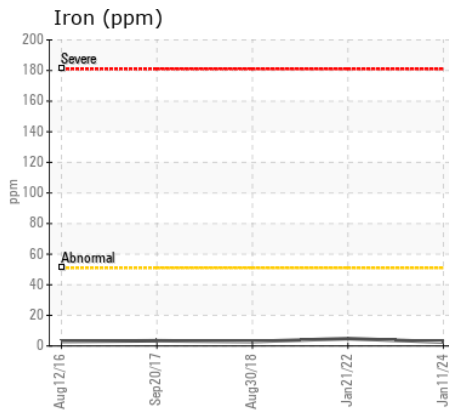
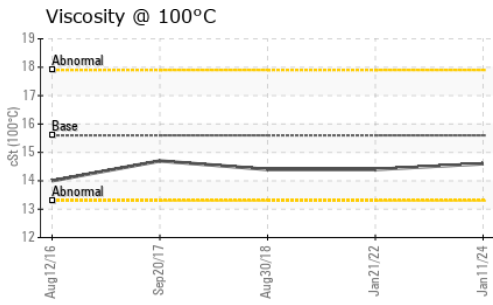
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>22	2	4	2
Potassium	ppm	ASTM D5185(m)	>20	<1	8	8
Fuel		WC Method	>2.1	<1.0	<1.0	<1.0
Water		WC Method	>0.21	NEG	NEG	NEG
Glycol		WC Method		NEG	0.0	0.0
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	4.9	3.9	7.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.8	14.9	21.3
Emulsified Water	scalar	Visual*	>0.21	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>31	<1	3	2
Boron	ppm	ASTM D5185(m)	0	6	186	185
Barium	ppm	ASTM D5185(m)	0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	60	56	<1	<1
Manganese	ppm	ASTM D5185(m)	0	0	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	936	25	11
Calcium	ppm	ASTM D5185(m)	1070	1066	2142	2235
Phosphorus	ppm	ASTM D5185(m)	1150	1025	1019	1027
Zinc	ppm	ASTM D5185(m)	1270	1144	1160	1181
Sulfur	ppm	ASTM D5185(m)	2060	2759	3032	3161
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.0	8.0	18.1
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	14.6	14.4	14.4



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0021035 **Received** : 16 Jan 2024
Lab Number : 02608945 **Diagnosed** : 16 Jan 2024
Unique Number : 5710031 **Diagnostician** : Wes Davis
Test Package : MOB 1

Wajax Power Systems
 70 Raddall Avenue
 Dartmouth, NS
 CA B3B 1T7
 Contact: Danelle Hoffman
 dhoffman@wajax.com
 T: (902)468-6200
 F: (902)468-3325

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.