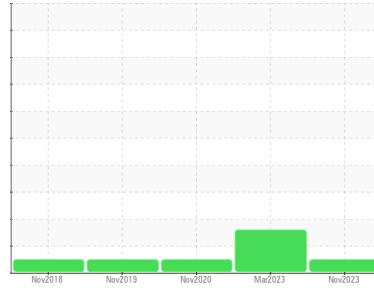


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
TOWN OF DIEPPE [610021408]
Machine Id
8L09573P04
Component
Diesel Engine
Fluid
CASTROL 15W40 (--- GAL)

DIAGNOSIS

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.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WA0020397	WA0019131	WA0015696
Sample Date	Client Info			16 Nov 2023	10 Mar 2023	06 Nov 2020
Machine Age	hrs	Client Info		343	336	311
Oil Age	hrs	Client Info		7	15	11
Oil Changed	Client Info			Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>5		<1.0	<1.0	0.5
Water	WC Method	>0.2		NEG	NEG	NEG
Glycol	WC Method			NEG	0.0	NEG

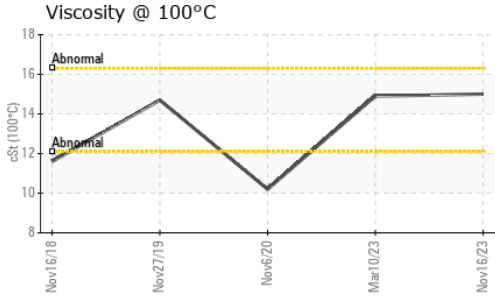
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	2	3	3
Chromium	ppm	ASTM D5185(m)	>20	0	0	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	0	0
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)	>3	<1	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>40	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>330	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>15	0	0	<1
Antimony	ppm	ASTM D5185(m)		0	<1	<1
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)		4	6	130
Barium	ppm	ASTM D5185(m)		<1	0	0
Molybdenum	ppm	ASTM D5185(m)		52	8	38
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		833	109	415
Calcium	ppm	ASTM D5185(m)		1163	2201	1292
Phosphorus	ppm	ASTM D5185(m)		938	967	705
Zinc	ppm	ASTM D5185(m)		1118	990	821
Sulfur	ppm	ASTM D5185(m)		2590	3000	2682
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4	4	5
Sodium	ppm	ASTM D5185(m)	>406	2	2	2
Potassium	ppm	ASTM D5185(m)	>20	0	<1	<1

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	4.6	5.1	4.4
Sulfation	Abs.1mm	ASTM D7415*	>30	17.6	18.0	14.4

OIL ANALYSIS REPORT



FLUID DEGRADATION method limit/base current history1 history2

Oxidation	Abs./1mm	ASTM D7414*	>25	12.1	8.1	7.5
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VISUAL method limit/base current history1 history2

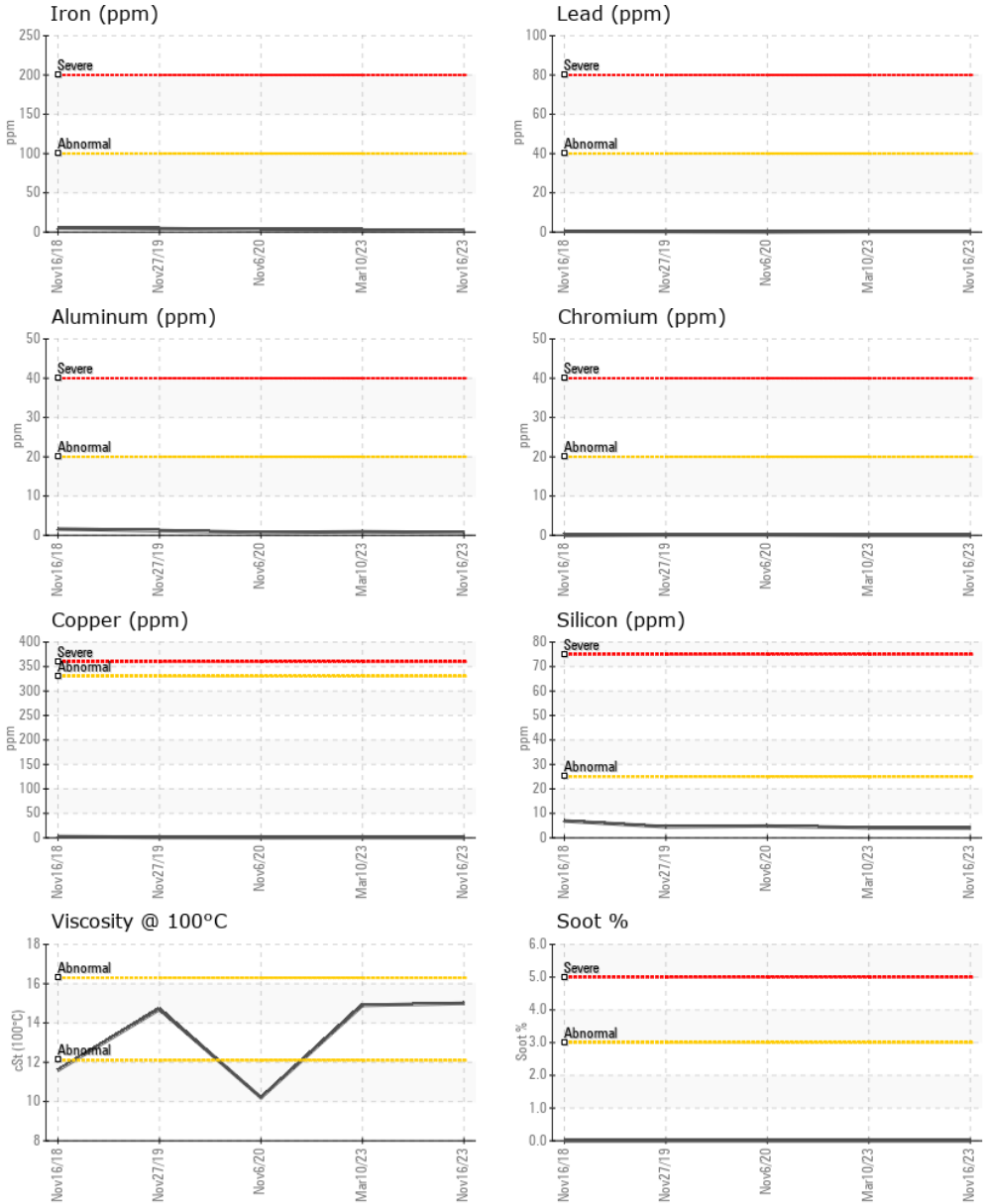
Emulsified Water	scalar	Visual*	>0.2	NEG	.2%	NEG
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Free Water	scalar	Visual*		NEG	▲ 1%	NEG
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FLUID PROPERTIES method limit/base current history1 history2

Visc @ 100°C	cSt	ASTM D7279(m)		15.0	14.9	10.2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0020397 **Received** : 08 Dec 2023
Lab Number : **02601768** **Diagnosed** : 08 Dec 2023
Unique Number : 5694853 **Diagnostician** : Wes Davis
Test Package : MOB 1

Wajax Power Systems
 485 VENTURE DR
 MONCTON, NB
 CA E1H 2P4
 Contact: Doug Balsler
 dbalsler@wajax.com
 T: (506)855-5371
 F: (506)870-4448

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.