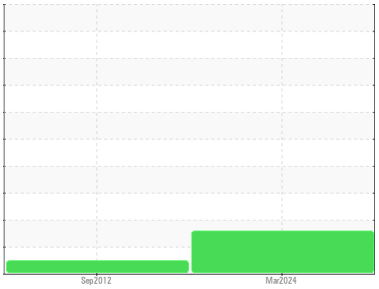
OIL ANALYSIS REPORT

Sample Rating Trend



DIRT

Area
[299]
Machine Id
87390151299
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

DIAGNOSIS

Recommendation
Nous vous recommandons de vérifier le filtre à air, le système d`induction d`air et tout endroit où la saleté peut entrer dans le composant. Nous vous recommandons de vidanger l`huile de ce composant si vous ne l`avez pas déjà fait. Nous recommandons le remplacement des filtres de ce composant. Nous vous recommandons d`échantillonner de nouveau dès que possible afin de contrôler la situation.

Wear
Les taux de métaux sont typiques pour la période de rodage d`un nouveau composant.

Contamination
Concentration modérée de saleté dans l`huile.

Fluid Condition
Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l`huile. l`huile ne peut plus être utilisée en raison de la présence de contaminants.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WA0021261**	WA0000540	---
Sample Date		Client Info		**20 Mar 2024**	19 Sep 2012	---
Machine Age	hrs	Client Info		**451**	0	---
Oil Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**N/A**	N/A	---
Sample Status				**ABNORMAL**	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel		WC Method	>5	**<1.0**	<1.0	---
Water		WC Method	>0.2	**NEG**	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		**4**	---	---
Iron	ppm	ASTM D5185(m)	>100	**178**	11	---
Chromium	ppm	ASTM D5185(m)	>20	**7**	<1	---
Nickel	ppm	ASTM D5185(m)	>50	**2**	<1	---
Titanium	ppm	ASTM D5185(m)	>2	**<1**	<1	---
Silver	ppm	ASTM D5185(m)	>2	**<1**	<1	---
Aluminum	ppm	ASTM D5185(m)	>50	**56**	3	---
Lead	ppm	ASTM D5185(m)	>40	**20**	7	---
Copper	ppm	ASTM D5185(m)	>330	**39**	11	---
Tin	ppm	ASTM D5185(m)	>15	**4**	<1	---
Antimony	ppm	ASTM D5185(m)		**0**	1	---
Vanadium	ppm	ASTM D5185(m)		**0**	0	---
Beryllium	ppm	ASTM D5185(m)		**0**	0	---
Cadmium	ppm	ASTM D5185(m)		**1**	14	---

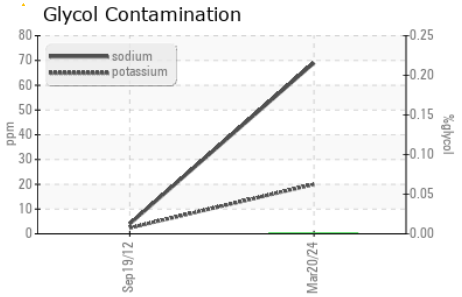
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	**17**	27	---
Barium	ppm	ASTM D5185(m)	10	**<1**	1	---
Molybdenum	ppm	ASTM D5185(m)	100	**63**	<1	---
Manganese	ppm	ASTM D5185(m)		**2**	<1	---
Magnesium	ppm	ASTM D5185(m)	450	**827**	311	---
Calcium	ppm	ASTM D5185(m)	3000	**1558**	2134	---
Phosphorus	ppm	ASTM D5185(m)	1150	**951**	954	---
Zinc	ppm	ASTM D5185(m)	1350	**1177**	1314	---
Sulfur	ppm	ASTM D5185(m)	4250	**2495**	5119	---
Lithium	ppm	ASTM D5185(m)		**<1**	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	**190**	6	---
Sodium	ppm	ASTM D5185(m)	>158	**69**	4	---
Potassium	ppm	ASTM D5185(m)	>20	**20**	2	---
Glycol	%	ASTM D7922*		**0.0**	NEG	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	**0.8**	0	---
Nitration	Abs/cm	ASTM D7624*	>20	**9.1**	3.6	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	**25.6**	21.0	---

OIL ANALYSIS REPORT

Glycol Contamination



FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	**20.5**	3.2	---
Base Number (BN)	mg KOH/g	ASTM D2896*	8.5	**10.60**	---	---

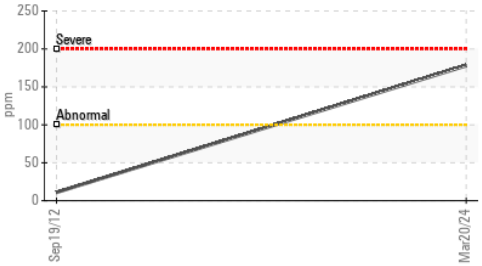
VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	---
Free Water	scalar	Visual*		**NEG**	NEG	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	**13.9**	13.2	---

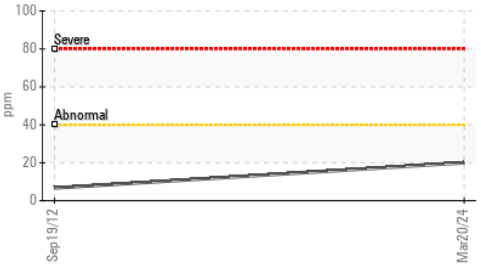
GRAPHS

PQ

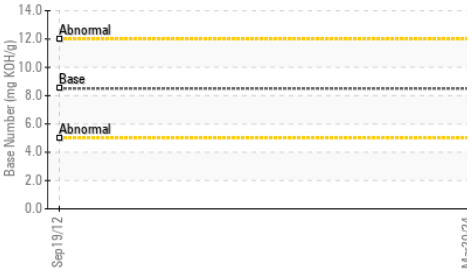
Iron (ppm)



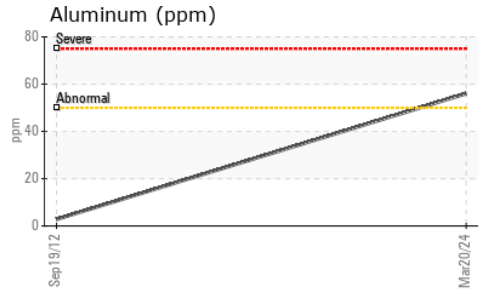
Lead (ppm)



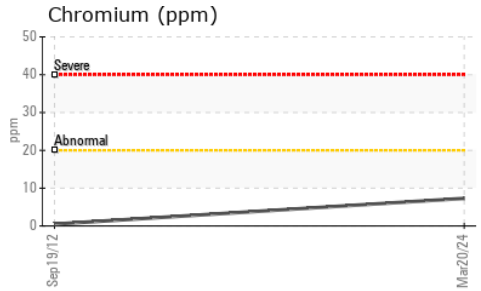
Base Number



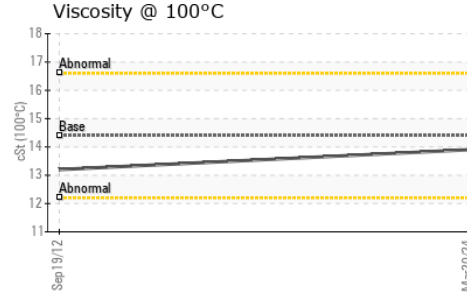
Aluminum (ppm)



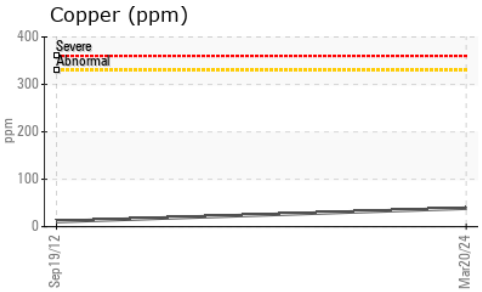
Chromium (ppm)



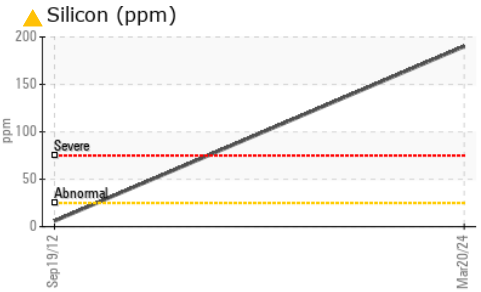
Viscosity @ 100°C



Copper (ppm)

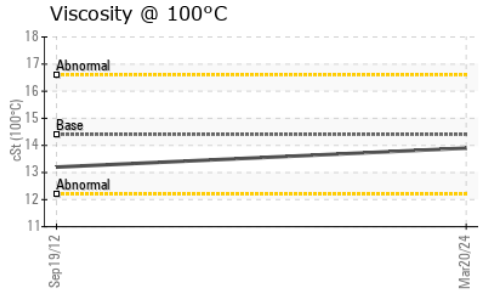


Silicon (ppm)

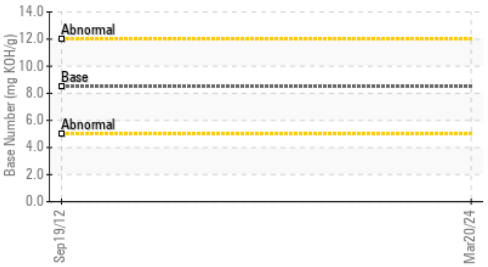


PQ

Viscosity @ 100°C



Base Number



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0021261 **Received** : 22 Mar 2024
Lab Number : 02623925 **Tested** : 25 Mar 2024
Unique Number : 5749044 **Diagnosed** : 25 Mar 2024 - Kevin Marson
Test Package : MOB 2 (Additional Tests: Glycol, 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.

Wajax Limited
2997 AV. WATT
Quebec, QC
CA G1X 3W1
Contact: SERVICE

T: (418)651-5371
F: (418)651-4448