

OIL ANALYSIS REPORT

Sample Rating Trend

GLYCOL

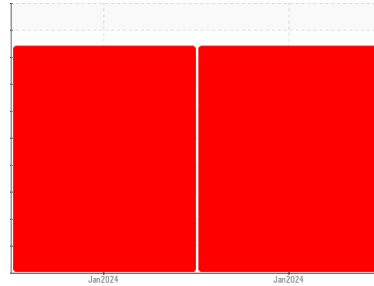


Area
[6100223760]

Machine Id
06D0308335

Component
Diesel Engine

Fluid
{not provided} (--- GAL)



DIAGNOSIS

Recommendation

Nous vous recommandons de vérifier la source de la fuite de fluide de refroidissement. Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon.

Wear

Les taux d'usure de tous les composants sont normaux.

Contamination

Le test de glycol est positif. Concentration élevée de glycol dans l'huile. Concentration modérée d'eau dans l'huile.

Fluid Condition

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		WA0021119	WA0021114	---
Sample Date	Client Info		17 Jan 2024	17 Jan 2024	---
Machine Age	hrs	Client Info	0	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		Changed	Changed	---
Sample Status			SEVERE	SEVERE	---

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>3.0	<1.0	<1.0	---
Water	WC Method	>0.2	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>200	13	13	---
Chromium	ppm	ASTM D5185(m)	>20	0	0	---
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	---
Titanium	ppm	ASTM D5185(m)	>2	3	3	---
Silver	ppm	ASTM D5185(m)	>2	<1	<1	---
Aluminum	ppm	ASTM D5185(m)	>30	1	1	---
Lead	ppm	ASTM D5185(m)	>30	10	10	---
Copper	ppm	ASTM D5185(m)	>30	125	124	---
Tin	ppm	ASTM D5185(m)	>15	4	4	---
Antimony	ppm	ASTM D5185(m)		0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		3	4	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		30	30	---
Manganese	ppm	ASTM D5185(m)		<1	<1	---
Magnesium	ppm	ASTM D5185(m)		57	57	---
Calcium	ppm	ASTM D5185(m)		1556	1547	---
Phosphorus	ppm	ASTM D5185(m)		555	556	---
Zinc	ppm	ASTM D5185(m)		774	770	---
Sulfur	ppm	ASTM D5185(m)		2292	2290	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

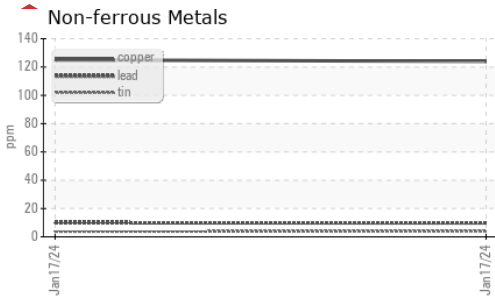
CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>30	13	13	---
Sodium	ppm	ASTM D5185(m)		64	64	---
Potassium	ppm	ASTM D5185(m)	>20	11	12	---
Glycol	%	ASTM D7922*		0.282	0.54	---

INFRA-RED

	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>3	0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	3.8	3.8	---
Sulfation	Abs./1mm	ASTM D7415*	>30	14.9	14.9	---

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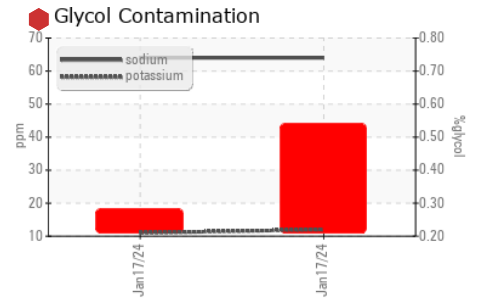
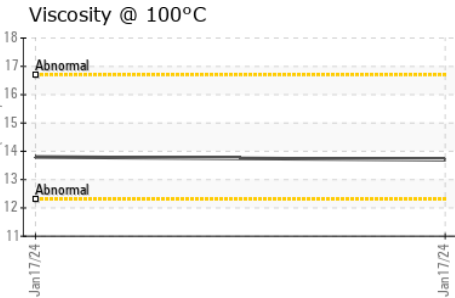
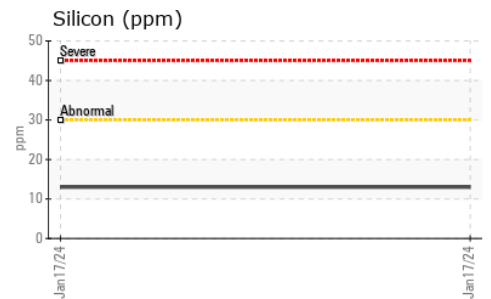
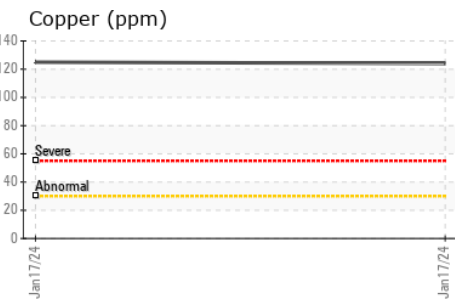
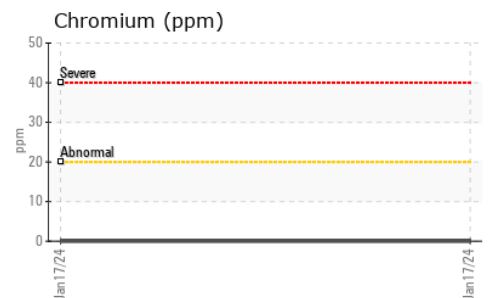
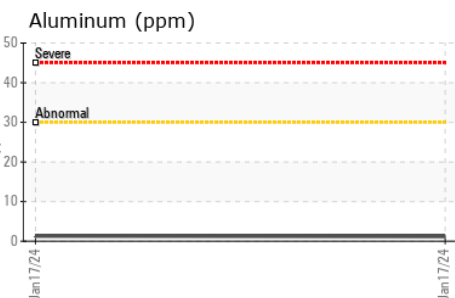
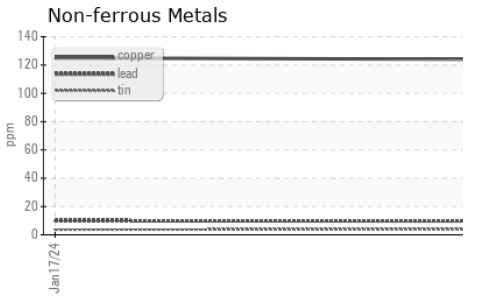
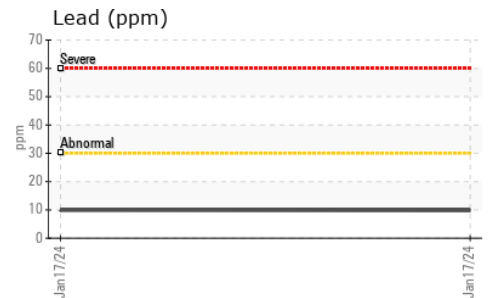
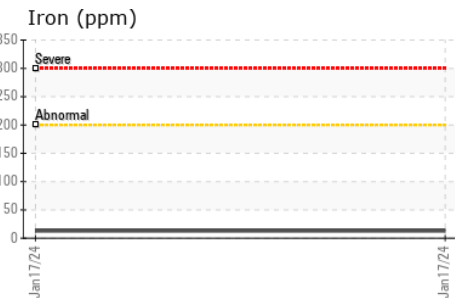
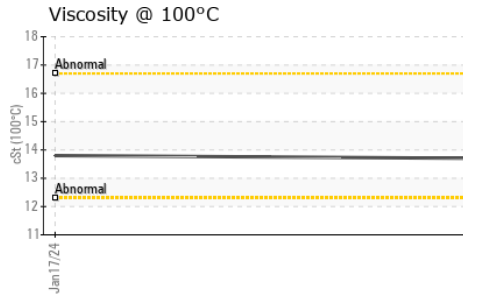


FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	9.4	9.3

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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	13.7	13.8	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0021119 **Received** : 18 Jan 2024
Lab Number : 02609671 **Diagnosed** : 18 Jan 2024
Unique Number : 5710757 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: Glycol)

Wajax Power Systems
 2997 AV. WATT
 Quebec, QC
 CA G1X 3W1
 Contact: Steve Racine
 sracine@wajax.com
 T:
 F: (418)651-4448

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.