

# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**DEPARTMENT OF NATIONAL DEFENSE [223760]**  
Machine Id  
**06D9308335**  
Component  
**Diesel Engine**  
Fluid  
**DIESEL ENGINE OIL SAE 40 (--- GAL)**

## DIAGNOSIS

### Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

### Wear

Les taux de métaux sont typiques d'une première vidange.

### Contamination

Il n'y a aucun indice de contamination dans l'huile.

### Fluid Condition

Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. L'état de l'huile permet d'en prolonger l'utilisation.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WA0021269</b>	---	---
Sample Date	Client Info		<b>14 Mar 2024</b>	---	---
Machine Age	hrs	Client Info	<b>6</b>	---	---
Oil Age	hrs	Client Info	<b>6</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<b>&lt;1.0</b>	---	---
Water	WC Method	>0.2	<b>NEG</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >100	<b>9</b>	---	---
Chromium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m) >4	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m) >3	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m) >20	<b>1</b>	---	---
Lead	ppm	ASTM D5185(m) >40	<b>8</b>	---	---
Copper	ppm	ASTM D5185(m) >330	<b>29</b>	---	---
Tin	ppm	ASTM D5185(m) >15	<b>18</b>	---	---
Antimony	ppm	ASTM D5185(m)	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 250	<b>&lt;1</b>	---	---
Barium	ppm	ASTM D5185(m) 10	<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185(m) 100	<b>102</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185(m) 450	<b>13</b>	---	---
Calcium	ppm	ASTM D5185(m) 3000	<b>2436</b>	---	---
Phosphorus	ppm	ASTM D5185(m) 1150	<b>998</b>	---	---
Zinc	ppm	ASTM D5185(m) 1350	<b>1026</b>	---	---
Sulfur	ppm	ASTM D5185(m) 4250	<b>4912</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

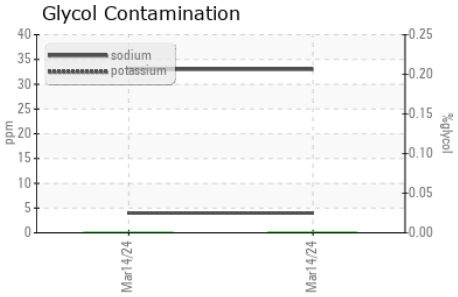
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	<b>24</b>	---	---
Sodium	ppm	ASTM D5185(m) >216	<b>33</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>4</b>	---	---
Glycol	%	ASTM D7922*	<b>0.0</b>	---	---

## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624* >20	<b>3.9</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415* >30	<b>13.8</b>	---	---

# OIL ANALYSIS REPORT

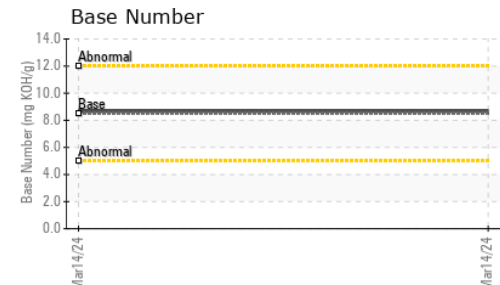
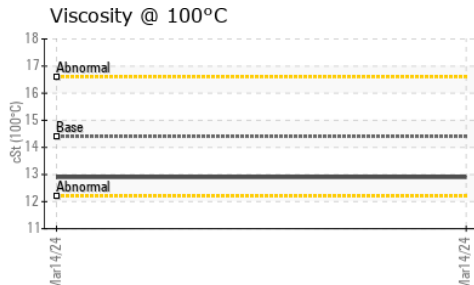
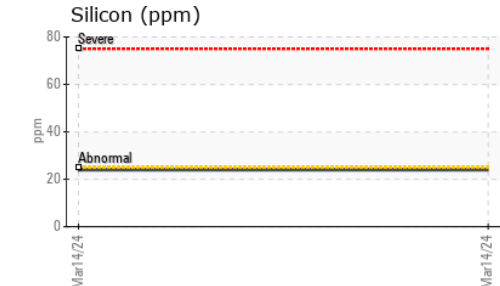
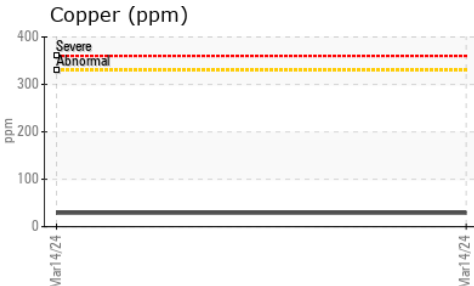
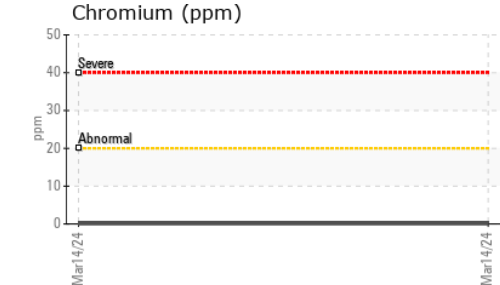
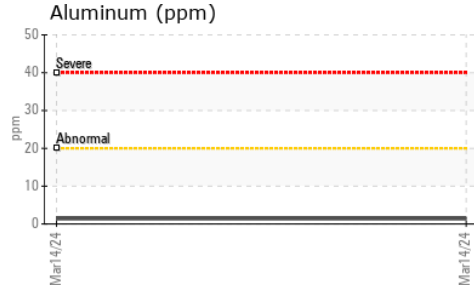
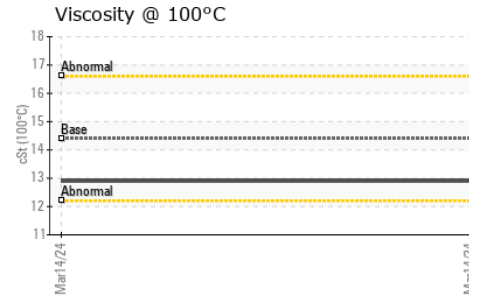
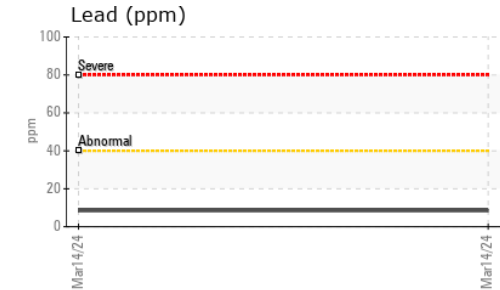
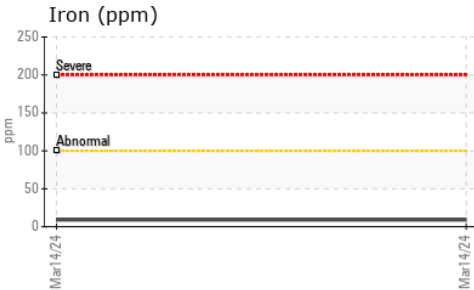
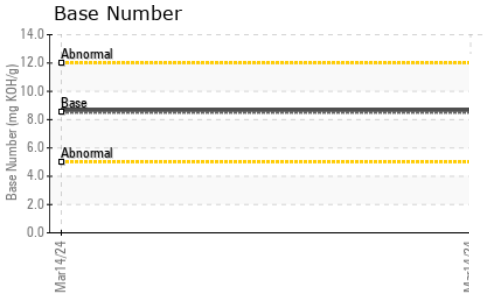


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	<b>6.4</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*	8.5	<b>8.67</b>	---	---

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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	<b>12.9</b>	---	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WA0021269 **Received** : 15 Mar 2024  
**Lab Number** : 02622255 **Tested** : 18 Mar 2024  
**Unique Number** : 5747374 **Diagnosed** : 18 Mar 2024 - Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: Glycol )

**Wajax Limited**  
 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.