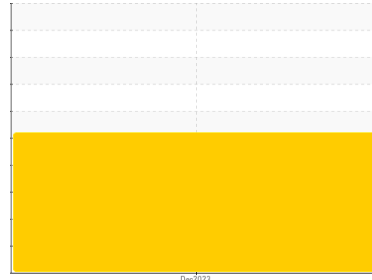


OIL ANALYSIS REPORT

Sample Rating Trend

GLYCOL

Area
EXCAVATION MARCEL VEZINA INC [6100240922]
Machine Id
460981UO890749
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)



DIAGNOSIS

▲ Recommendation

Nous vous recommandons de vérifier la source de la fuite de fluide de refroidissement. Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons de rincer complètement le composant avant de le remplir l'huile. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Wear

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

▲ Contamination

Le test de glycol est positif. Légère dilution de carburant dans l'huile. Concentration modérée de glycol dans l'huile. Aucun autre contaminant n'a été détecté 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	WA0020314	---	---
Sample Date	Client Info	15 Dec 2023	---	---
Machine Age	kms Client Info	209642	---	---
Oil Age	kms Client Info	0	---	---
Oil Changed	Client Info	Not Chngd	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185(m) >100	29	---	---
Chromium ppm	ASTM D5185(m) >20	1	---	---
Nickel ppm	ASTM D5185(m) >50	<1	---	---
Titanium ppm	ASTM D5185(m) >2	0	---	---
Silver ppm	ASTM D5185(m) >2	0	---	---
Aluminum ppm	ASTM D5185(m) >50	17	---	---
Lead ppm	ASTM D5185(m) >40	<1	---	---
Copper ppm	ASTM D5185(m) >330	2	---	---
Tin ppm	ASTM D5185(m) >15	0	---	---
Antimony ppm	ASTM D5185(m)	0	---	---
Vanadium ppm	ASTM D5185(m)	0	---	---
Beryllium ppm	ASTM D5185(m)	0	---	---
Cadmium ppm	ASTM D5185(m)	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185(m) 250	5	---	---
Barium ppm	ASTM D5185(m) 10	0	---	---
Molybdenum ppm	ASTM D5185(m) 100	59	---	---
Manganese ppm	ASTM D5185(m)	0	---	---
Magnesium ppm	ASTM D5185(m) 450	912	---	---
Calcium ppm	ASTM D5185(m) 3000	1079	---	---
Phosphorus ppm	ASTM D5185(m) 1150	1010	---	---
Zinc ppm	ASTM D5185(m) 1350	1151	---	---
Sulfur ppm	ASTM D5185(m) 4250	2746	---	---
Lithium ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

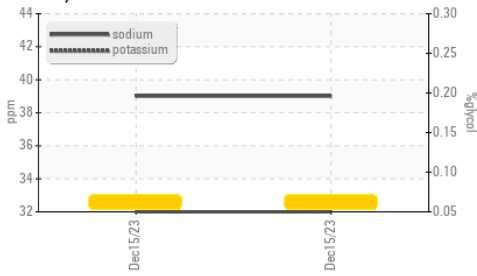
method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185(m) >25	6	---	---
Sodium ppm	ASTM D5185(m) >158	▲ 39	---	---
Potassium ppm	ASTM D5185(m) >20	▲ 32	---	---
Fuel %	ASTM D7593* >5	1.7	---	---
Glycol %	ASTM D7922*	▲ 0.071	---	---

INFRA-RED

method	limit/base	current	history1	history2
Soot %	ASTM D7844* >3	0.1	---	---
Nitration Abs/cm	ASTM D7624* >20	6.1	---	---
Sulfation Abs/.1mm	ASTM D7415* >30	18.1	---	---

OIL ANALYSIS REPORT

▲ Glycol Contamination



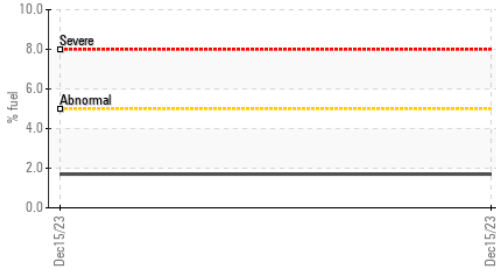
FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.7	---
Base Number (BN)	mg KOH/g	ASTM D2896*	8.5	9.92	---

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

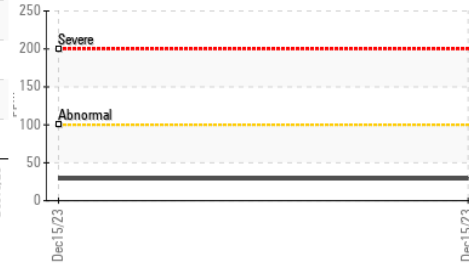
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	▲ 11.0	---

GRAPHS

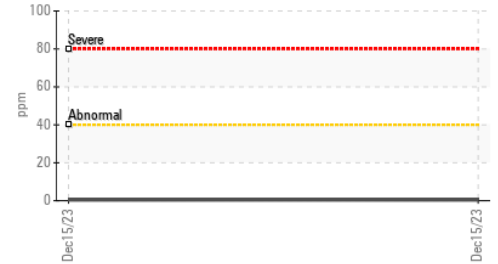
Fuel Dilution



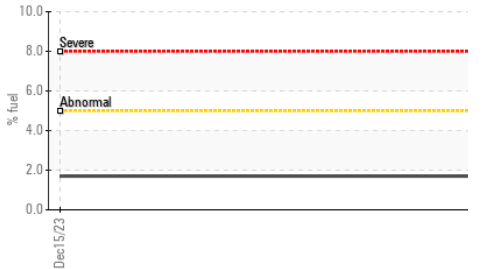
Iron (ppm)



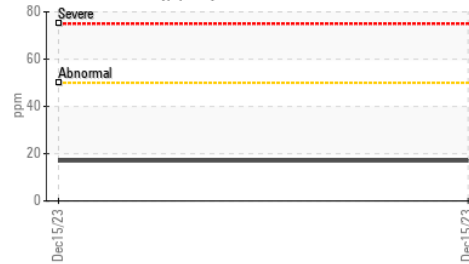
Lead (ppm)



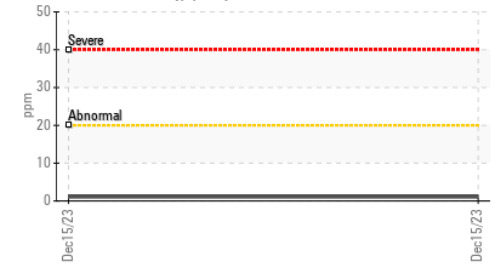
Fuel Dilution



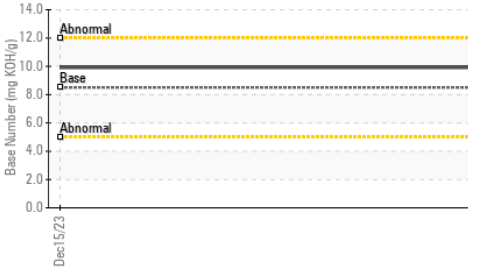
Aluminum (ppm)



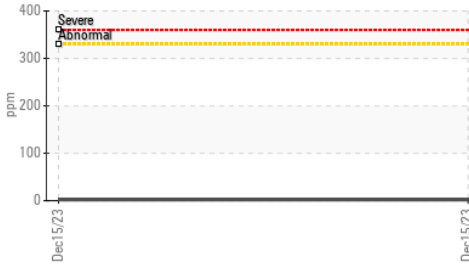
Chromium (ppm)



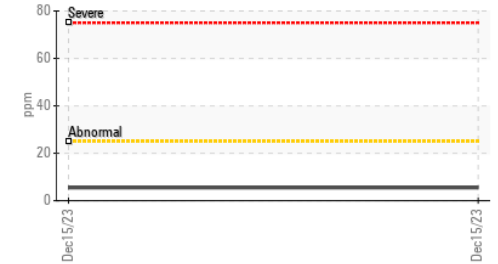
Base Number



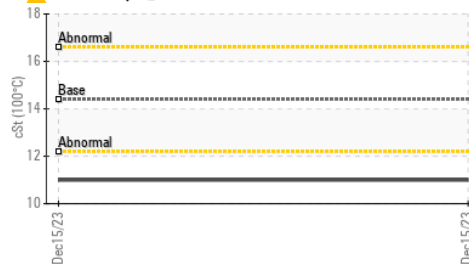
Copper (ppm)



Silicon (ppm)



▲ Viscosity @ 100°C



Base Number



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0020314 **Received** : 21 Dec 2023
Lab Number : 02604612 **Diagnosed** : 22 Dec 2023
Unique Number : 5697697 **Diagnostician** : Wes Davis
Test Package : MOB 2 (Additional Tests: FuelDilution, Glycol, PercentFuel)

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.