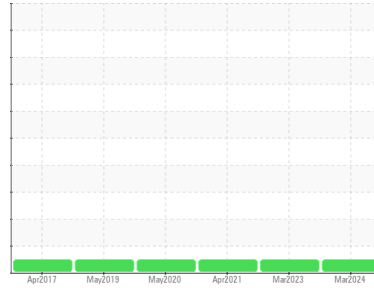


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
ADMINISTRATION PORTUAIRE DE QUEBEC [6100278374]
Machine Id
VOLVO D9 MG 1009182725
Component
Diesel Engine
Fluid
 DIESEL ENGINE OIL SAE 15W40 (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

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

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			WA0021275	WA0019406	WA0016430
Sample Date	Client Info			27 Mar 2024	30 Mar 2023	16 Apr 2021
Machine Age	hrs	Client Info		1211	0	0
Oil Age	hrs	Client Info		100	0	0
Oil Changed	Client Info			Changed	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>6.0		<1.0	<1.0	<1.0
Water	WC Method	>0.2		NEG	NEG	NEG
Glycol	WC Method			NEG	NEG	NEG

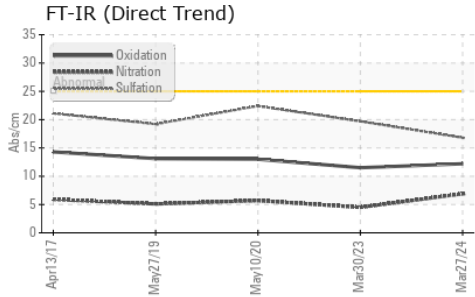
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	2	2	2
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>2	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	2	<1	<1
Lead	ppm	ASTM D5185(m)	>40	0	<1	2
Copper	ppm	ASTM D5185(m)	>330	1	1	1
Tin	ppm	ASTM D5185(m)	>15	0	<1	<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)	250	61	6	4
Barium	ppm	ASTM D5185(m)	10	0	0	0
Molybdenum	ppm	ASTM D5185(m)	100	83	56	56
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)	450	83	900	908
Calcium	ppm	ASTM D5185(m)	3000	2029	1009	1137
Phosphorus	ppm	ASTM D5185(m)	1150	989	1052	1024
Zinc	ppm	ASTM D5185(m)	1350	1125	1109	1225
Sulfur	ppm	ASTM D5185(m)	4250	3086	2622	2938
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

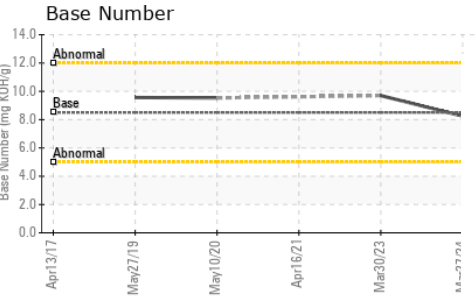
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	3	3	3
Sodium	ppm	ASTM D5185(m)	>158	2	1	2
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	6.9	4.5	---
Sulfation	Abs./1mm	ASTM D7415*	>30	16.8	19.7	---

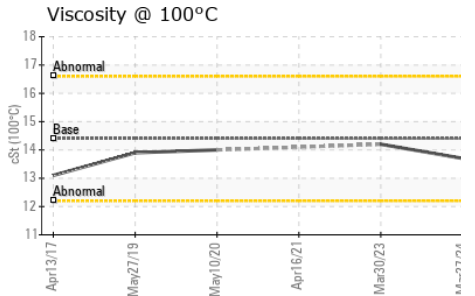
OIL ANALYSIS REPORT



FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	12.2	11.5
Base Number (BN)	mg KOH/g	ASTM D2896*	8.5	8.25	9.70

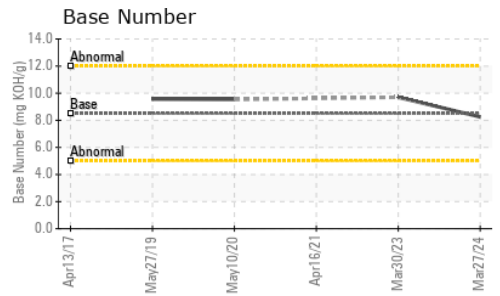
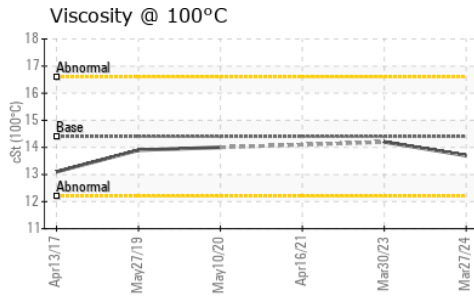
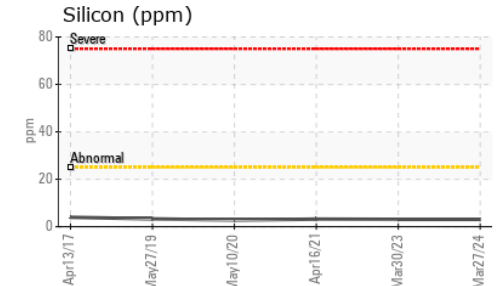
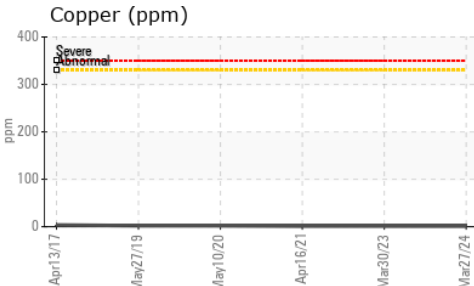
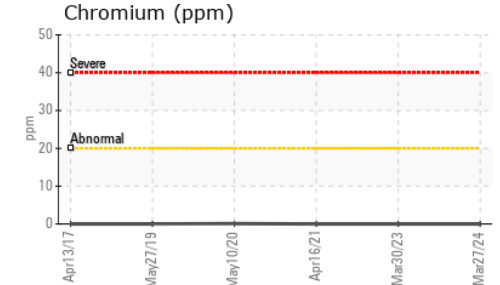
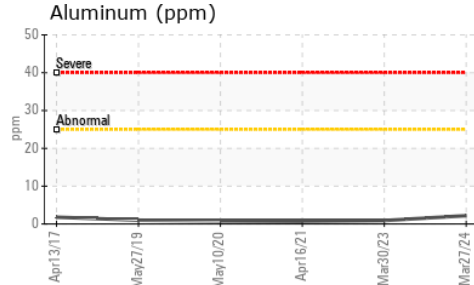
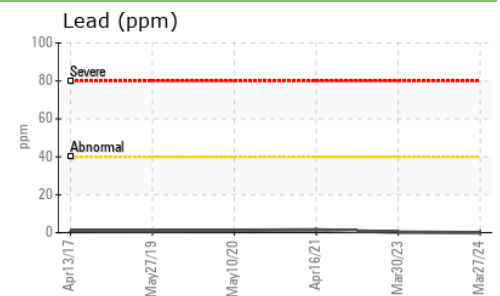
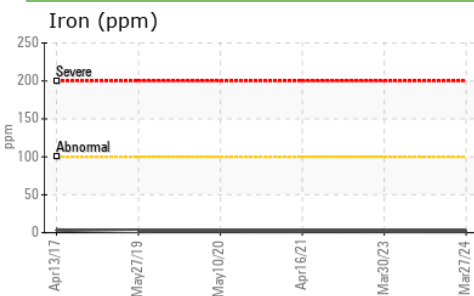


VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	13.7	14.2

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0021275 **Received** : 02 Apr 2024
Lab Number : 02625999 **Tested** : 04 Apr 2024
Unique Number : 5759131 **Diagnosed** : 04 Apr 2024 - Wes Davis
Test Package : MOB 2

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.