CONSTRUCTION EQUIPMENT
2315188 VOLVO L110H 632455 - DIESEL ENGINE

Sample No: VCP349586
Oil Type: SHELL ROTELLA T 15W40
Job No: 2315188

MIRAGE
1255, 98 RUE
SAINT GEORGE, QC
CA G5Y 8J5
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T: (418)227-1181
F:

SAMPLE INFORMATION

Sample Number		**VCP349586**	VCP347314	---	---
Sample Date		**05 Dec 2023**	17 May 2023	---	---
Machine Hours		**4095**	2072	---	---
Oil Hours		**0**	0	---	---
Oil Changed		**Changed**	Changed	---	---
Sample Status		**NORMAL**	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	**14.4**	14.3	---	---
Oxidation (PA)	%	**69**	68	---	---

CONTAMINATION

Water	%	**NEG**	NEG	---	---
Soot %	%	**0.1**	0.1	---	---
Nitration (PA)	%	**63**	65	---	---
Sulfation (PA)	%	**59**	59	---	---
Glycol	%	**NEG**	NEG	---	---
Fuel	%	**<1.0**	<1.0	---	---
Silicon	ppm	**2**	3	---	---
Sodium	ppm	**2**	2	---	---
Potassium	ppm	**8**	7	---	---

WEAR METALS

Iron	ppm	**7**	11	---	---
Copper	ppm	**<1**	1	---	---
Lead	ppm	**<1**	0	---	---
Tin	ppm	**0**	<1	---	---
Aluminum	ppm	**3**	2	---	---
Chromium	ppm	**0**	<1	---	---
Molybdenum	ppm	**0**	<1	---	---
Nickel	ppm	**<1**	0	---	---
Titanium	ppm	**0**	<1	---	---
Silver	ppm	**0**	0	---	---
Manganese	ppm	**0**	<1	---	---
Vanadium	ppm	**0**	0	---	---

ADDITIVES

Calcium	ppm	**2291**	2417	---	---
Magnesium	ppm	**14**	14	---	---
Zinc	ppm	**1176**	1204	---	---
Phosphorus	ppm	**999**	1076	---	---
Barium	ppm	**0**	0	---	---
Boron	ppm	**138**	139	---	---

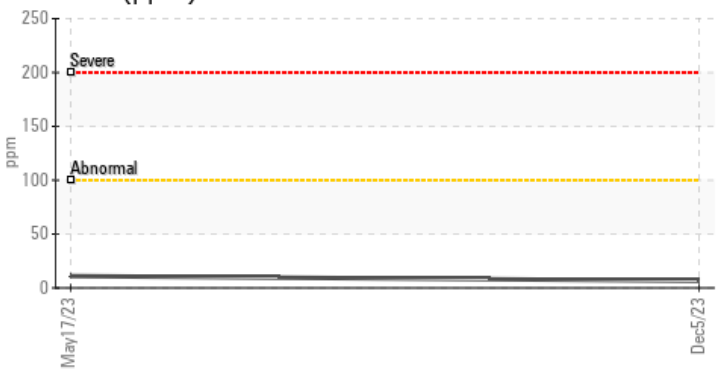
Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.Les taux d'usure de tous les composants sont normaux. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n`y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.

Depot: MIRSAI
Unique No: 5698334
Signed: Wes Davis
Report Date: 27 Dec 2023

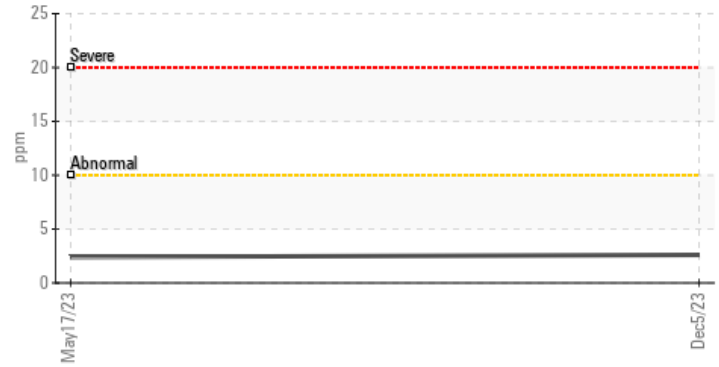
GRAPHS

Iron (ppm)

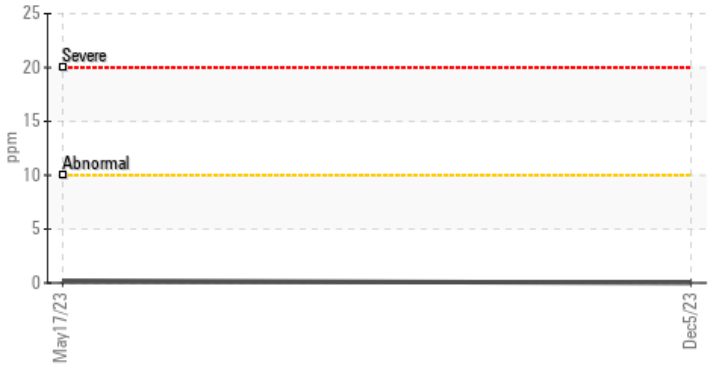


Lead (ppm)

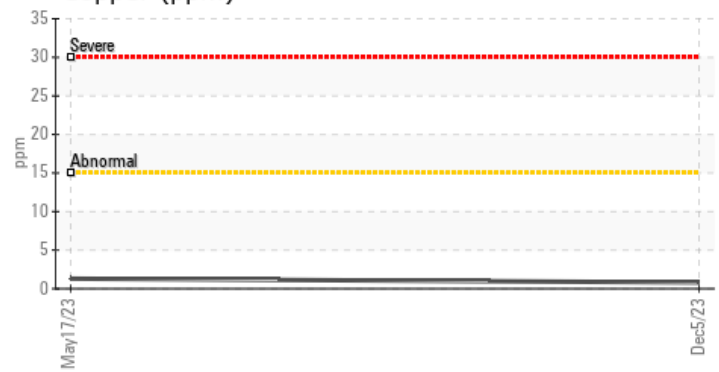
Aluminum (ppm)



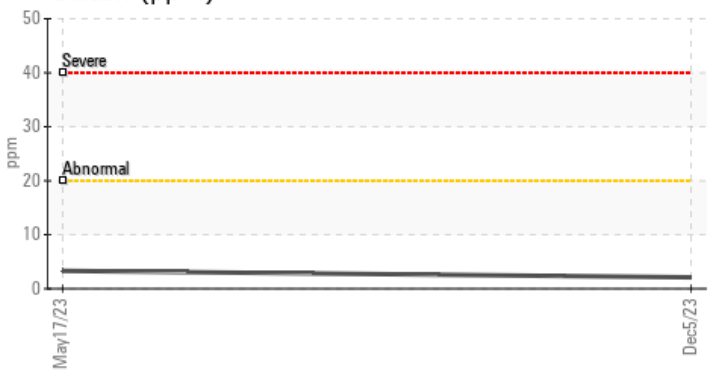
Chromium (ppm)



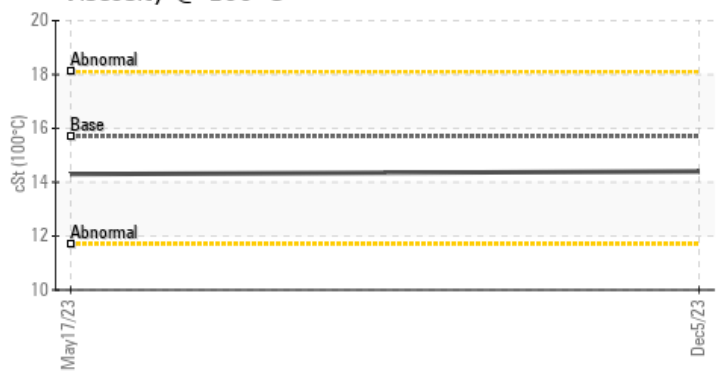
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Soot %