



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ABNORMAL

Machine Id
T13-19
Component
Hydraulic System
Fluid
TOTAL AZOLLA ZS 32 (--- GAL)

RECOMMENDATION

Nous recommandons le remplacement des filtres de ce composant.
Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP394424	VCP449268	---
Sample Date		Client Info		10 Apr 2024	06 Mar 2024	---
Machine Age	hrs	Client Info		4952	4230	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

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

Iron	ppm	ASTM D5185(m)	>20	9	10	---
Chromium	ppm	ASTM D5185(m)	>10	<1	1	---
Nickel	ppm	ASTM D5185(m)	>10	0	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>10	1	1	---
Lead	ppm	ASTM D5185(m)	>20	1	1	---
Copper	ppm	ASTM D5185(m)	>20	9	9	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

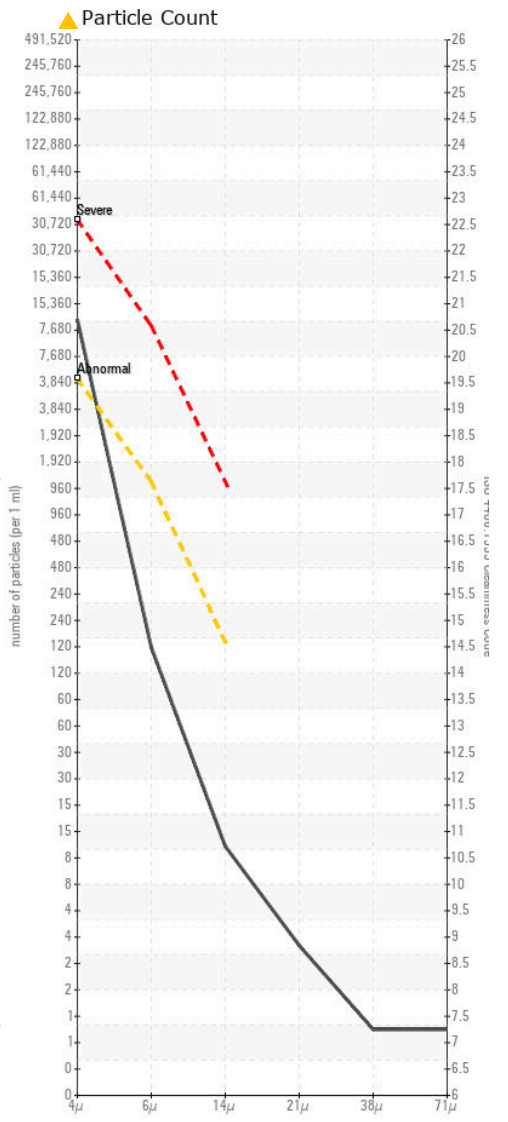
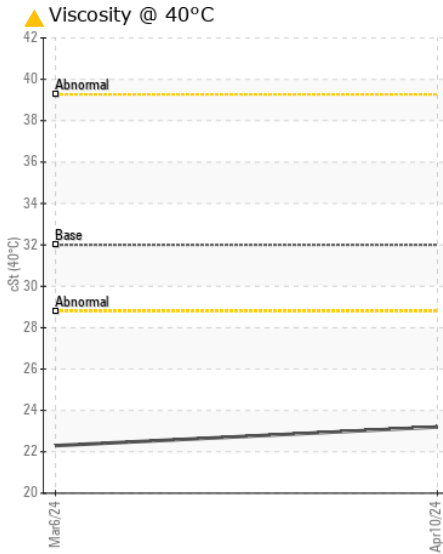
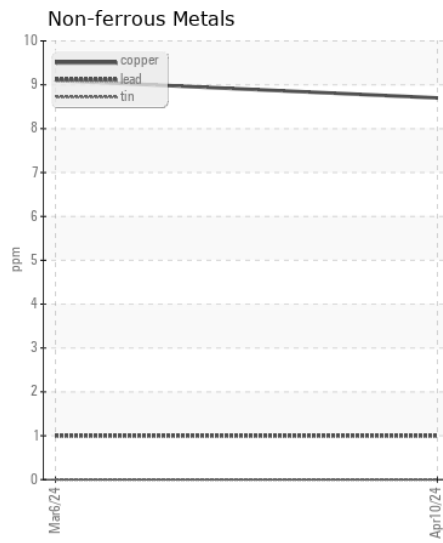
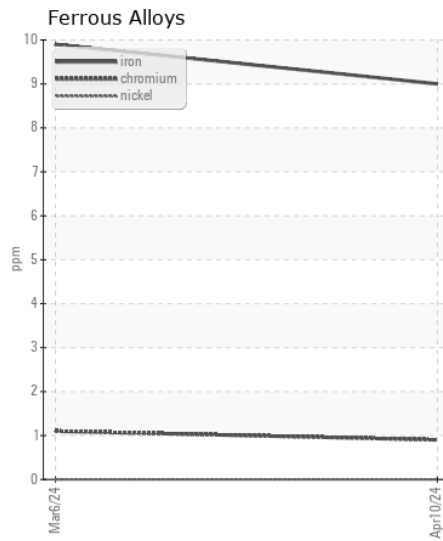
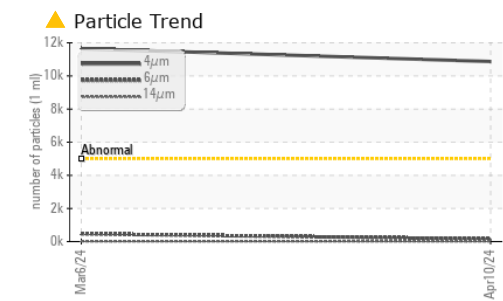
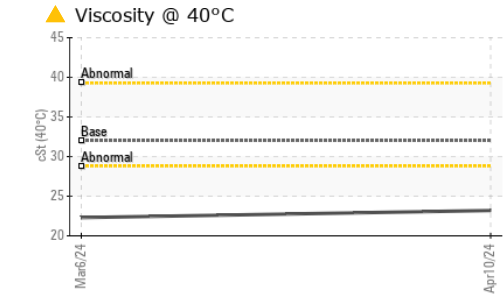
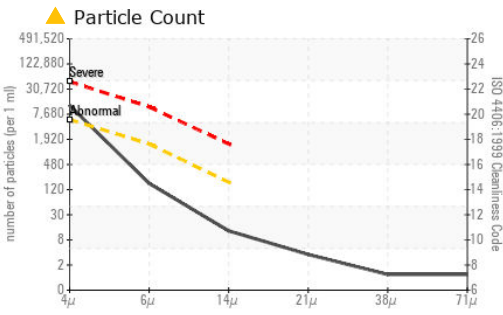
Il y a une quantité modérée de particules (de 4 à 14 microns) dans l'huile.

Silicon	ppm	ASTM D5185(m)	>15	2	2	---
Potassium	ppm	ASTM D5185(m)	>20	<1	1	---
Water		WC Method	>0.05	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	▲ 10870	▲ 11649	---
Particles >6µm		ASTM D7647	>1300	149	463	---
Particles >14µm		ASTM D7647	>160	11	13	---
Particles >21µm		ASTM D7647	>40	3	2	---
Particles >38µm		ASTM D7647	>10	1	1	---
Particles >71µm		ASTM D7647	>3	1	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 21/14/11	▲ 21/16/11	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	VLITE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.05	NEG	NEG	---

FLUID CONDITION

La viscosité de l'échantillon se situe dans la portée de l'ISO 22; nous vous conseillons de vérifier. l'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

Sodium	ppm	ASTM D5185(m)		1	2	---
Boron	ppm	ASTM D5185(m)		2	3	---
Barium	ppm	ASTM D5185(m)		1	1	---
Molybdenum	ppm	ASTM D5185(m)		0	0	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)		19	21	---
Calcium	ppm	ASTM D5185(m)		122	136	---
Phosphorus	ppm	ASTM D5185(m)		472	497	---
Zinc	ppm	ASTM D5185(m)		551	597	---
Sulfur	ppm	ASTM D5185(m)		1495	1588	---
Visc @ 40°C	cSt	ASTM D7279(m)	32.0	▲ 23.2	▲ 22.3	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP394424 **Received** : 06 May 2024
Lab Number : 02633513 **Tested** : 07 May 2024
Unique Number : 5774666 **Diagnosed** : 07 May 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: PrtCount)

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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.