



VOLVO

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
[W02007859]
Machine Id
VOLVO L350F 1597
Component
Transmission (Auto)
Fluid
MOBIL ATF (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP412081	VCP375233	VCP288681
Sample Date		Client Info		03 Jan 2024	08 Jul 2022	02 Oct 2020
Machine Age	hrs	Client Info		17636	15305	12236
Oil Age	hrs	Client Info		2000	2000	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

Gear wear is indicated.

Iron	ppm	ASTM D5185m	>160	▲ 264	25	7
Chromium	ppm	ASTM D5185m	>5	1	0	0
Nickel	ppm	ASTM D5185m	>5	3	0	0
Titanium	ppm	ASTM D5185m		13	<1	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	2	1	<1
Lead	ppm	ASTM D5185m	>50	10	4	0
Copper	ppm	ASTM D5185m	>225	211	97	27
Tin	ppm	ASTM D5185m	>10	3	1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	LIGHT	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

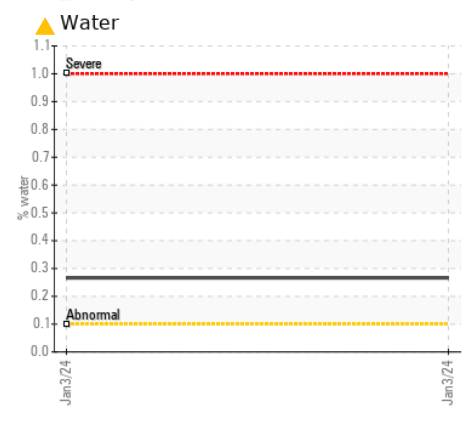
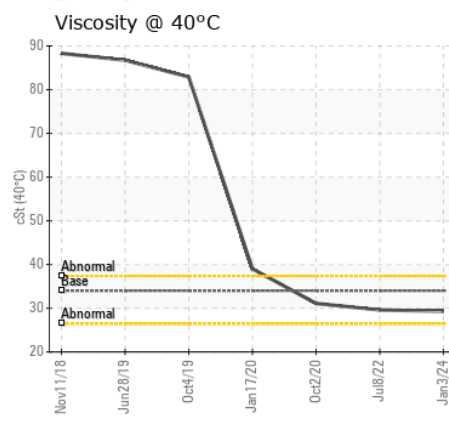
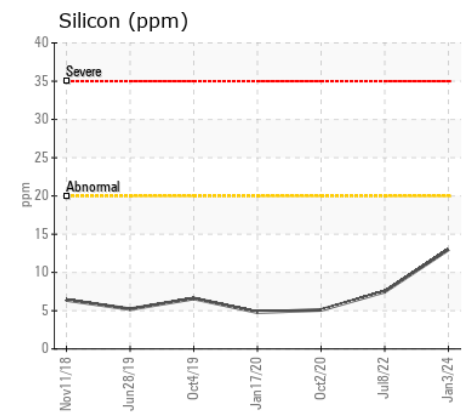
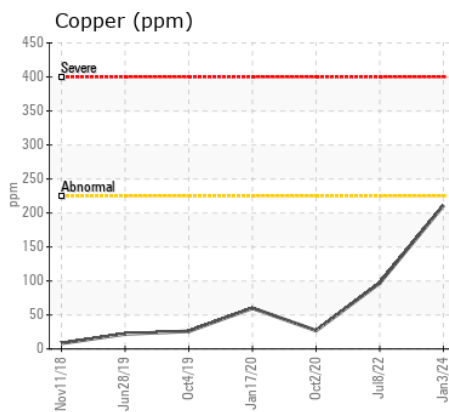
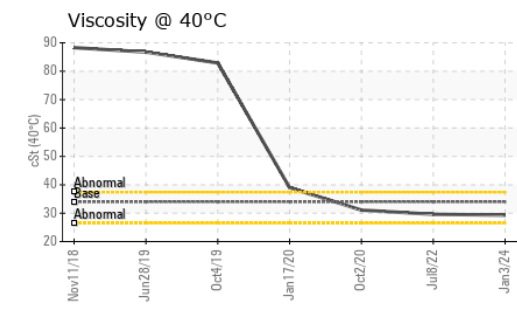
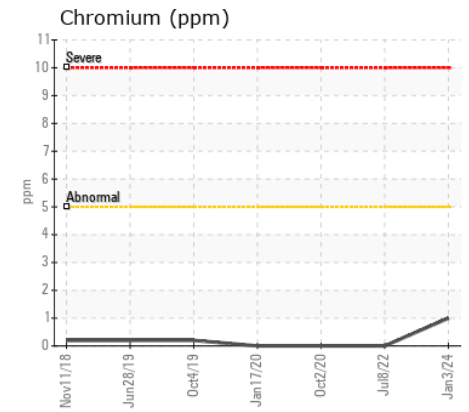
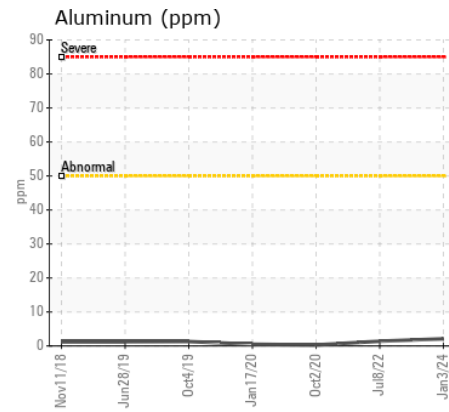
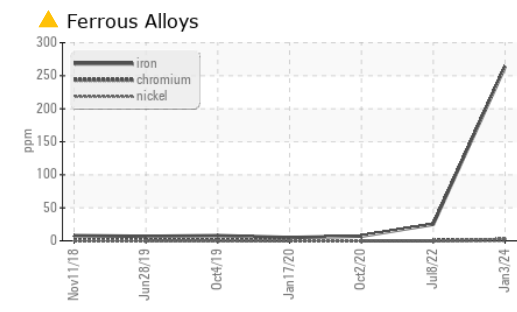
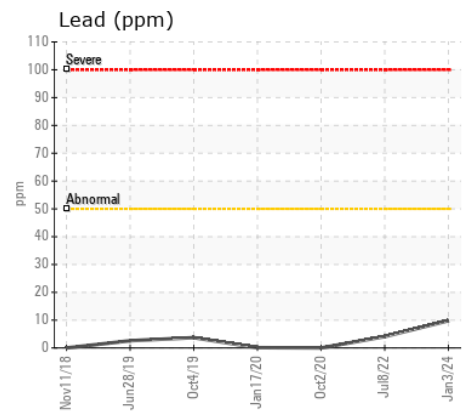
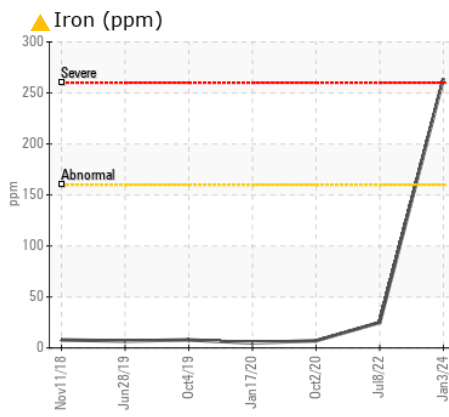
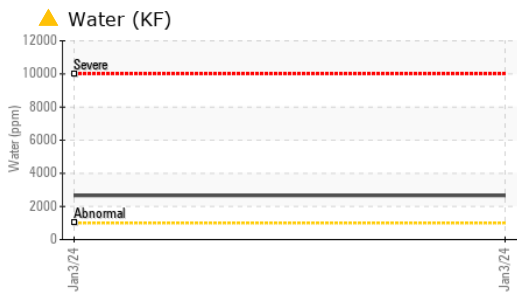
There is a light concentration of water present in the fluid.

Silicon	ppm	ASTM D5185m	>20	13	8	5
Potassium	ppm	ASTM D5185m	>20	4	3	0
Water	%	ASTM D6304	>0.1	▲ 0.266	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 2660	---	---
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	0.2%	NEG	NEG

FLUID CONDITION

The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		6	3	2
Boron	ppm	ASTM D5185m		31	31	42
Barium	ppm	ASTM D5185m		8	0	<1
Molybdenum	ppm	ASTM D5185m		1	<1	2
Manganese	ppm	ASTM D5185m		6	<1	<1
Magnesium	ppm	ASTM D5185m		13	10	30
Calcium	ppm	ASTM D5185m		121	120	257
Phosphorus	ppm	ASTM D5185m		160	159	252
Zinc	ppm	ASTM D5185m		145	86	98
Sulfur	ppm	ASTM D5185m		1679	1813	1574
Visc @ 40°C	cSt	ASTM D445	34	29.3	29.6	31.1



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP412081 **Received** : 08 Jan 2024
Lab Number : 06054460 **Diagnosed** : 10 Jan 2024
Unique Number : 10820409 **Diagnostician** : Jonathan Hester
Test Package : MOB 1 (Additional Tests: KF)

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Certificate L2367
 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)