



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Machine Id
VOLVO A30F 82299
Component
Transmission (Auto)
Fluid
VOLVO AT 102 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

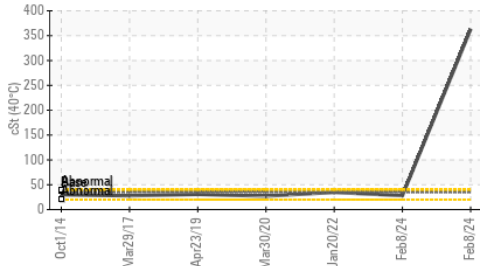
There is no indication of any contamination in the fluid.

FLUID CONDITION

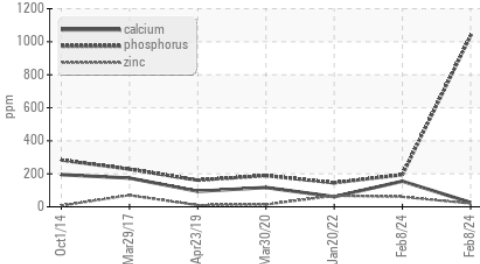
The fluid viscosity is higher than normal. Additive levels indicate the addition of a different brand, or type of fluid. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP454426	VCP454336	VCP345953
Sample Date		Client Info		08 Feb 2024	08 Feb 2024	20 Jan 2022
Machine Age	hrs	Client Info		11488	11488	10461
Oil Age	hrs	Client Info		0	0	1500
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				ATTENTION	NORMAL	SEVERE
Iron	ppm	ASTM D5185m	>85	0	20	288
Chromium	ppm	ASTM D5185m	>2	0	0	1
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>45	0	10	4
Lead	ppm	ASTM D5185m	>25	0	2	0
Copper	ppm	ASTM D5185m	>625	<1	7	10
Tin	ppm	ASTM D5185m	>30	<1	2	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	<1	4	11
Potassium	ppm	ASTM D5185m	>20	0	0	3
Water		WC Method	>0.1	NEG	NEG	NEG
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	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		0	2	2
Boron	ppm	ASTM D5185m	187	182	60	40
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0.0	<1	<1	<1
Manganese	ppm	ASTM D5185m	0.0	<1	<1	13
Magnesium	ppm	ASTM D5185m	6.8	4	8	0
Calcium	ppm	ASTM D5185m	215	▲ 26	155	61
Phosphorus	ppm	ASTM D5185m	445	▲ 1037	194	145
Zinc	ppm	ASTM D5185m	56	20	60	67
Sulfur	ppm	ASTM D5185m	1336	▲ 30303	2065	1455
Visc @ 40°C	cSt	ASTM D445	35.3	▲ 362.7	28.0	34.6

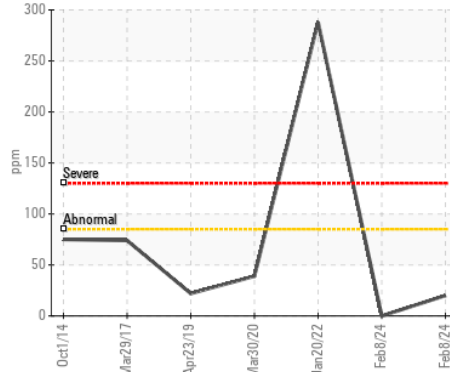
▲ Viscosity @ 40°C



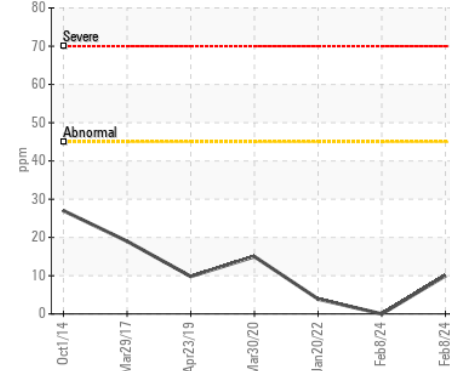
▲ Additives



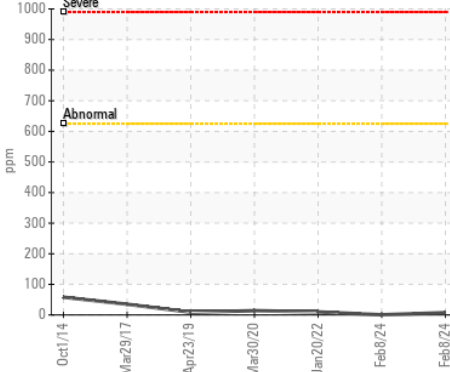
Iron (ppm)



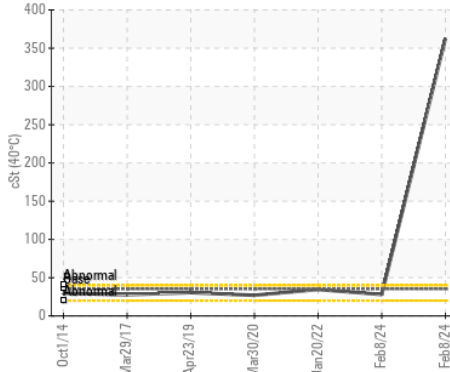
Aluminum (ppm)



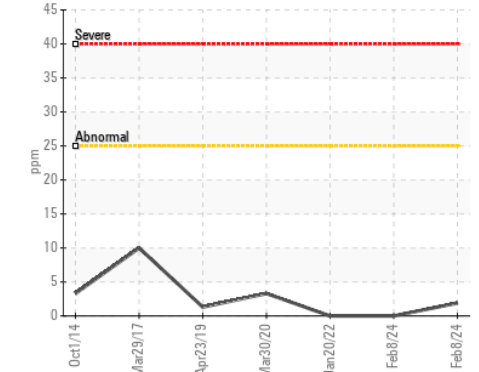
Copper (ppm)



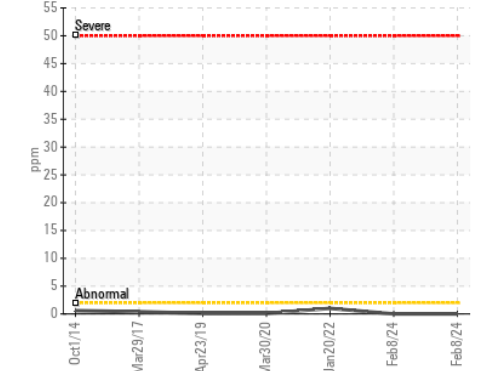
▲ Viscosity @ 40°C



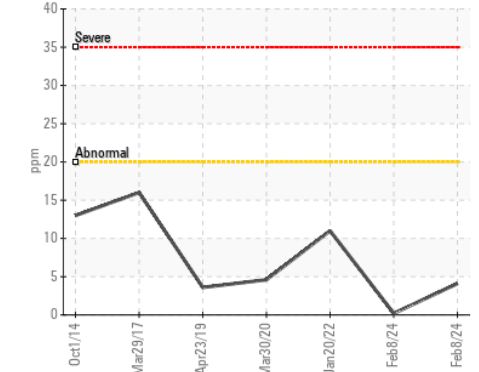
Lead (ppm)



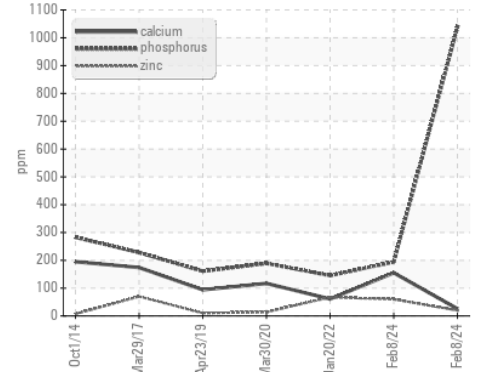
Chromium (ppm)



Silicon (ppm)



▲ Additives



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : VCP454426
 Lab Number : 06087825
 Unique Number : 10875270
 Test Package : MOB 1
 Received : 13 Feb 2024
 Tested : 16 Feb 2024
 Diagnosed : 16 Feb 2024 - Jonathan Hester

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:

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)