



WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO A25D 1017 (S/N 134424)
Component
Transmission
Fluid
{not provided} (--- QTS)

RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		CL0005063	CL0003994	CL0002196
Sample Date		Client Info		03 Jan 2024	05 Feb 2023	01 Jun 2021
Machine Age	hrs	Client Info		14280	13330	12580
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				MARGINAL	ABNORMAL	SEVERE

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	55	46	33
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>50	8	12	12
Lead	ppm	ASTM D5185m	>50	1	3	5
Copper	ppm	ASTM D5185m	>300	61	68	40
Tin	ppm	ASTM D5185m	>50	4	4	6
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

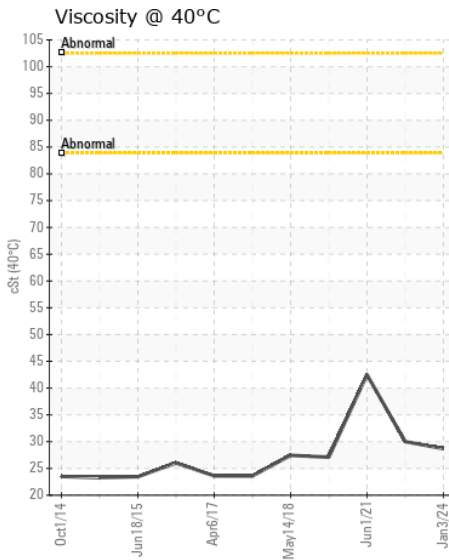
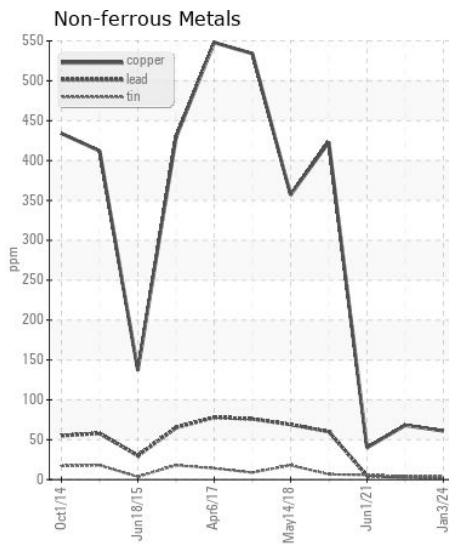
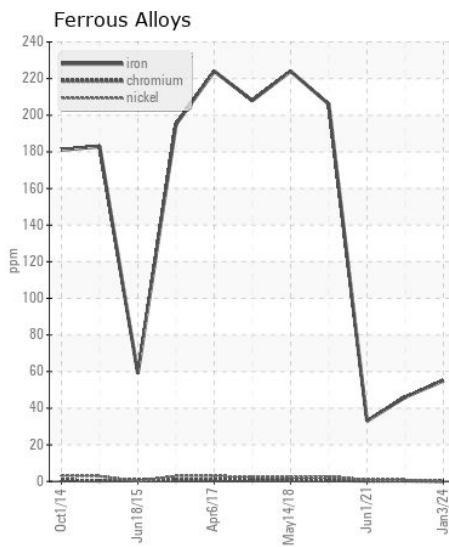
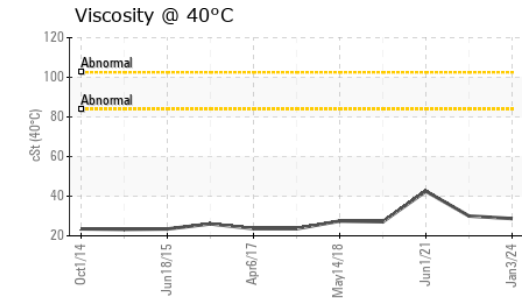
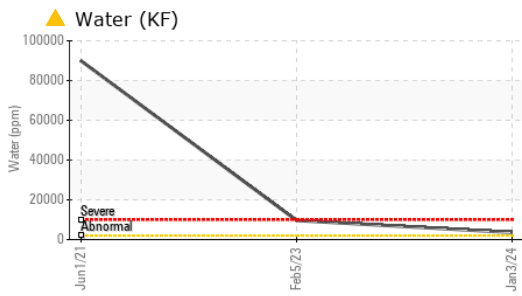
There is a light concentration of water present in the fluid.

Silicon	ppm	ASTM D5185m	>50	11	14	22
Potassium	ppm	ASTM D5185m	>20	3	4	5
Water	%	ASTM D6304	>0.2	▲ 0.355	▲ 0.964	● 8.99
ppm Water	ppm	ASTM D6304	>2000	▲ 3550	▲ 9640	● 89900
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	VLITE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	▲ MILKY	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	0.2%	0.2%	● 0.2%

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		32	89	▲ 219
Boron	ppm	ASTM D5185m		42	129	168
Barium	ppm	ASTM D5185m		0	3	0
Molybdenum	ppm	ASTM D5185m		0	<1	1
Manganese	ppm	ASTM D5185m		1	1	1
Magnesium	ppm	ASTM D5185m		12	15	8
Calcium	ppm	ASTM D5185m		100	98	104
Phosphorus	ppm	ASTM D5185m		200	222	218
Zinc	ppm	ASTM D5185m		79	163	166
Sulfur	ppm	ASTM D5185m		1169	1561	961
Visc @ 40°C	cSt	ASTM D445		28.7	30.0	42.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : CL0005063 **Received** : 10 Jan 2024
Lab Number : 06057542 **Diagnosed** : 12 Jan 2024
Unique Number : 10823491 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: KF)

PURCELL CONSTRUCTION
 3100 HIGH RIDGE RD
 CHARLOTTE, NC
 US 28270
 Contact: BEN MILKE
 ben@purcellconst.com

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)

T:
F: