



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO A25G 742169
Component
Diesel Engine
Fluid
CHEVRON 15W40 (10 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ML0000138	VCP413938	VCP389416
Sample Date		Client Info		24 Jan 2024	31 Aug 2023	04 Nov 2022
Machine Age	hrs	Client Info		4909	4782	3962
Oil Age	hrs	Client Info		127	0	0
Filter Age	hrs	Client Info		127	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	1	6	5
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>30	3	2	3
Lead	ppm	ASTM D5185m	>40	<1	0	<1
Copper	ppm	ASTM D5185m	>20	<1	3	<1
Tin	ppm	ASTM D5185m	>20	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

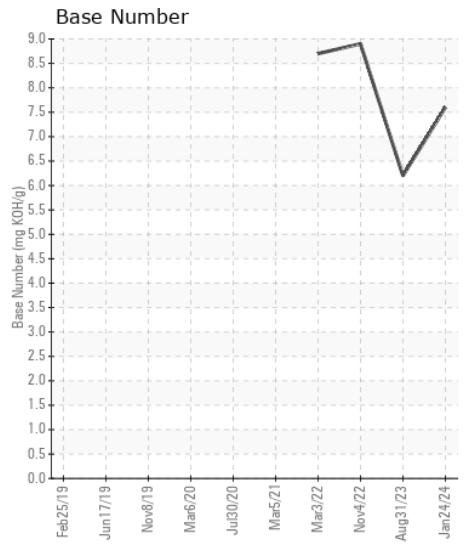
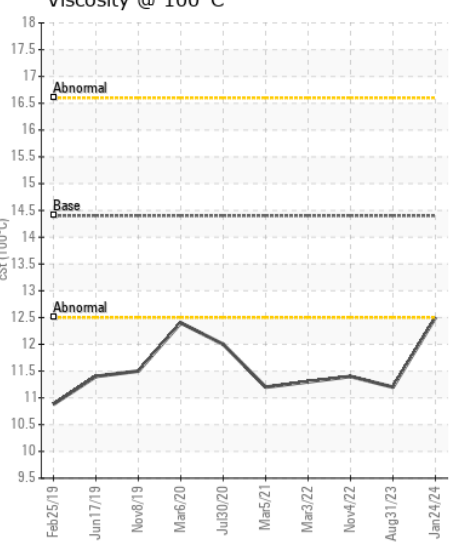
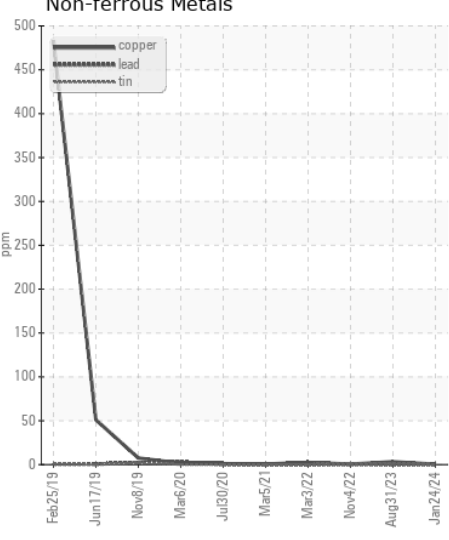
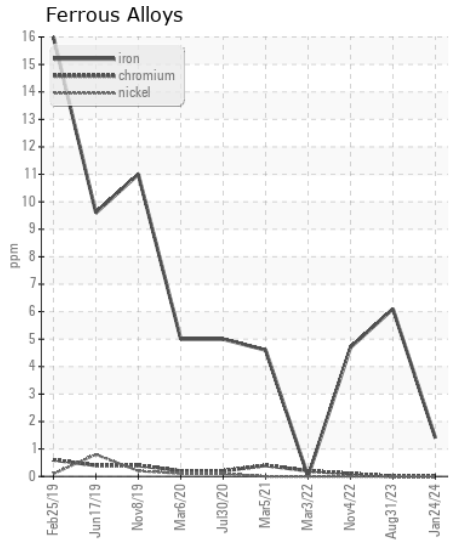
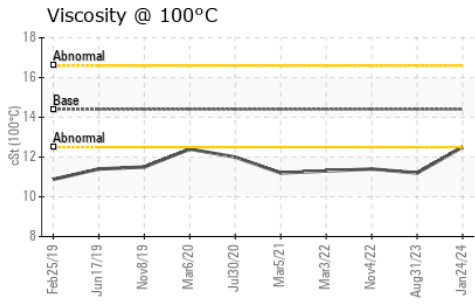
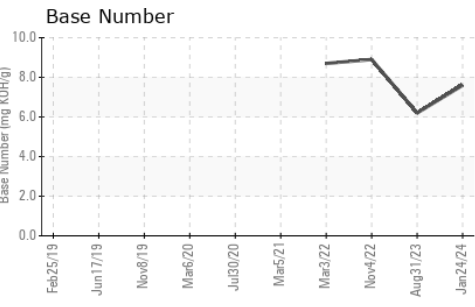
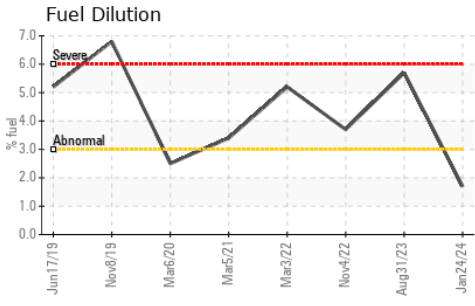
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	4	5	6
Potassium	ppm	ASTM D5185m	>20	<1	0	2
Fuel	%	ASTM D3524	>3.0	1.7	▲ 5.7	▲ 3.7
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.1	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	5.3	8.2	7.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.6	20.7	23.6
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	>0.2	NEG	NEG	NEG

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>50	0	3	2
Boron	ppm	ASTM D5185m		451	352	298
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		82	96	117
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		392	467	619
Calcium	ppm	ASTM D5185m		1276	1488	1470
Phosphorus	ppm	ASTM D5185m		1012	933	674
Zinc	ppm	ASTM D5185m		1183	1103	785
Sulfur	ppm	ASTM D5185m		3095	3445	2883
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.2	14.9	16.8
Base Number (BN)	mg KOH/g	ASTM D2896		7.6	6.2	8.9
Visc @ 100°C	cSt	ASTM D445	14.4	12.5	▲ 11.2	▲ 11.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0000138
Lab Number : 06076578
Unique Number : 10858669
Test Package : CONST (Additional Tests: PercentFuel, TBN)

Received : 01 Feb 2024
Tested : 05 Feb 2024
Diagnosed : 05 Feb 2024 - Jonathan Hester

RELIABLE CONTRACTING
 2410 EVERGREEN RD SUITE 200
 GAMBRILLS, MD
 US 21054
 Contact: RUSSELL HATFIELD
 RHATFIELD@RELIABLECONTRACTING.COM
 T: (410)987-1851
 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)