



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	MARGINAL



Area
[W/O 10558]
Machine Id
VOLVO A30G 742601
Component
Diesel Engine
Fluid
CHEVRON 15W40 (10 GAL)

RECOMMENDATION

Oil and 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		ML0001181	VCP418875	VCP366656
Sample Date		Client Info		18 Apr 2024	16 Jun 2023	16 Sep 2022
Machine Age	hrs	Client Info		3873	3396	2919
Oil Age	hrs	Client Info		477	0	0
Filter Age	hrs	Client Info		477	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				MARGINAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	7	7	3
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	0	0
Titanium	ppm	ASTM D5185m		2	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	3	2
Lead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m	>330	2	<1	1
Tin	ppm	ASTM D5185m	>15	1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

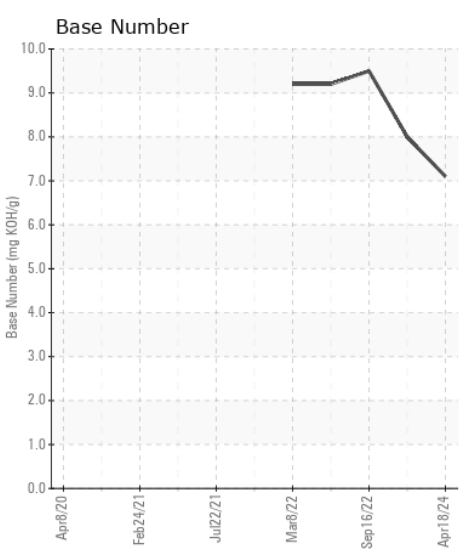
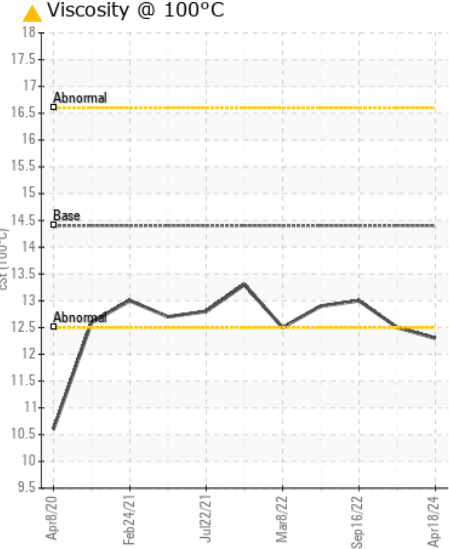
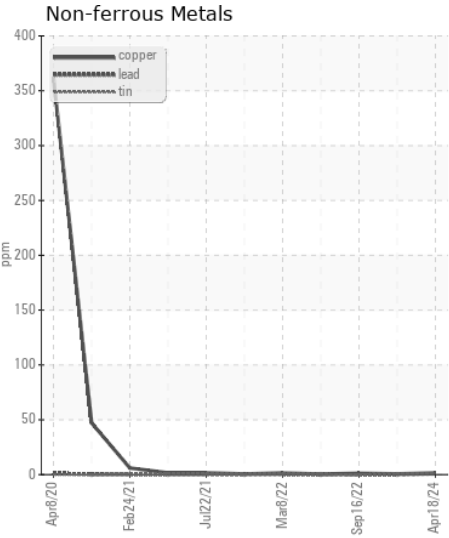
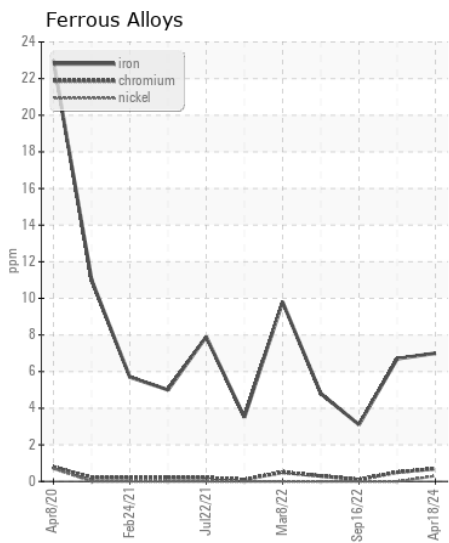
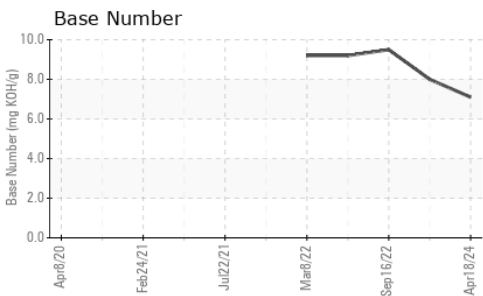
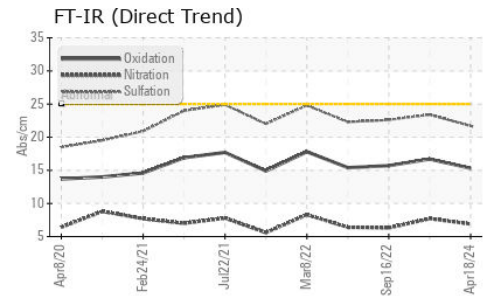
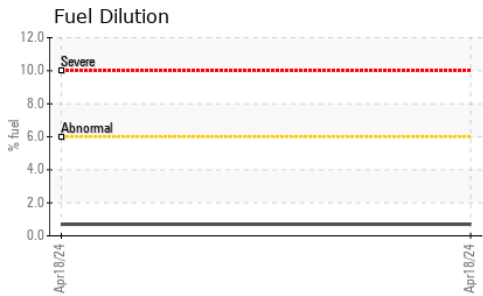
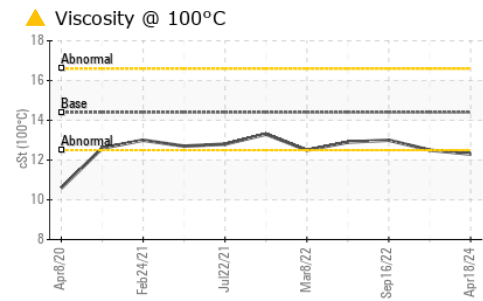
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	5	6	5
Potassium	ppm	ASTM D5185m	>20	2	<1	3
Fuel	%	ASTM D3524	>6.0	0.7	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.3	0.4	0.2
Nitration	Abs/cm	*ASTM D7624	>20	6.9	7.7	6.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.7	23.4	22.6
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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil.

Sodium	ppm	ASTM D5185m	>50	<1	2	1
Boron	ppm	ASTM D5185m		468	352	297
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		94	124	96
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		408	663	440
Calcium	ppm	ASTM D5185m		1382	1639	1528
Phosphorus	ppm	ASTM D5185m		1020	836	776
Zinc	ppm	ASTM D5185m		1195	1015	939
Sulfur	ppm	ASTM D5185m		3490	3465	3265
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.3	16.7	15.7
Base Number (BN)	mg KOH/g	ASTM D2896		7.1	8.0	9.5
Visc @ 100°C	cSt	ASTM D445	14.4	▲ 12.3	12.5	13.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0001181
Lab Number : 06161285
Unique Number : 10996708
Test Package : CONST (Additional Tests: FUELDILUTION, PercentFuel, TBN)

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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)