



McCLUNG-LOGAN
EQUIPMENT COMPANY, INC.

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W02008335]
Machine Id
VOLVO A30G 752334
Component
Rear Axle
Fluid
VOLVO SUPER GEAR OIL 75W-80-GO102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ML0001142	VCP397676	VCP358004
Sample Date		Client Info		21 May 2024	03 Feb 2023	03 Jun 2022
Machine Age	hrs	Client Info		3701	1593	1023
Oil Age	hrs	Client Info		2000	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	327	320	258
Chromium	ppm	ASTM D5185m	>20	4	6	5
Nickel	ppm	ASTM D5185m	>10	3	2	1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>30	0	0	<1
Lead	ppm	ASTM D5185m	>50	0	<1	<1
Copper	ppm	ASTM D5185m	>150	32	15	12
Tin	ppm	ASTM D5185m	>20	1	<1	1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

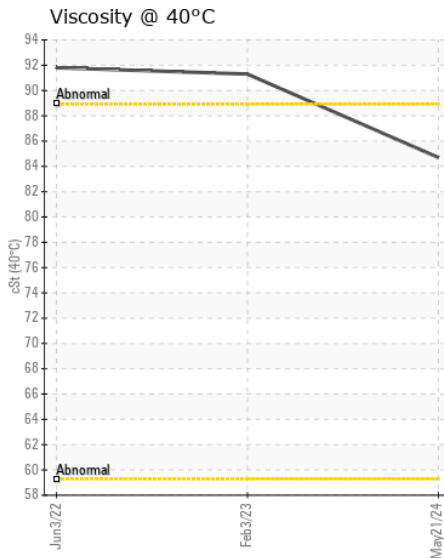
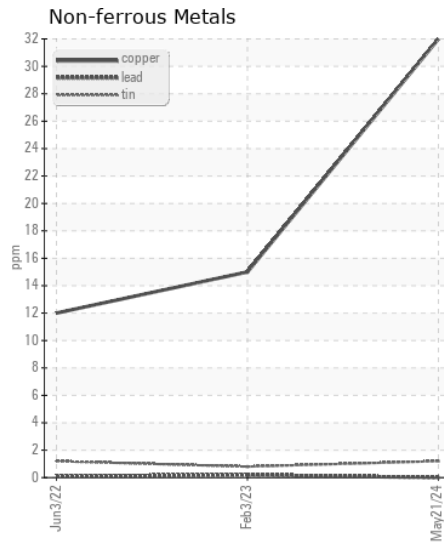
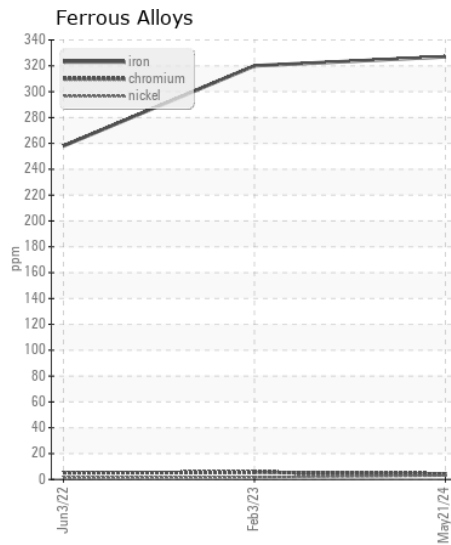
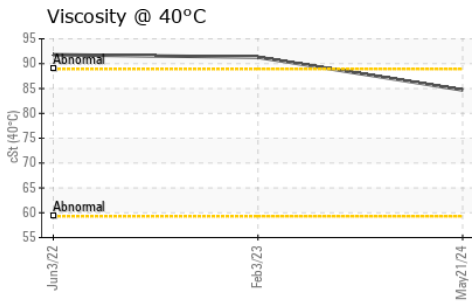
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	4	5	5
Potassium	ppm	ASTM D5185m	>20	4	<1	<1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		1	<1	<1
Boron	ppm	ASTM D5185m		296	267	281
Barium	ppm	ASTM D5185m		5	2	3
Molybdenum	ppm	ASTM D5185m		8	16	15
Manganese	ppm	ASTM D5185m		12	11	10
Magnesium	ppm	ASTM D5185m		3	4	6
Calcium	ppm	ASTM D5185m		968	838	820
Phosphorus	ppm	ASTM D5185m		1383	1276	1251
Zinc	ppm	ASTM D5185m		404	335	332
Sulfur	ppm	ASTM D5185m		21867	23088	18439
Visc @ 40°C	cSt	ASTM D445		84.7	91.3	91.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0001142
Lab Number : 06190824
Unique Number : 11047576
Test Package : CONST

Received : 24 May 2024
Tested : 29 May 2024
Diagnosed : 29 May 2024 - Sean Felton

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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)