



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO A30G 752490
Component
Front 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		ASC0009754	ASC0007575	VCP377751
Sample Date		Client Info		22 Jun 2024	07 Mar 2024	09 Jun 2022
Machine Age	hrs	Client Info		2602	2602	1316
Oil Age	hrs	Client Info		2602	2602	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Filter Changed		Client Info		None	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	155	93	471
Chromium	ppm	ASTM D5185m	>20	1	1	11
Nickel	ppm	ASTM D5185m	>10	<1	1	3
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	4	<1	<1
Lead	ppm	ASTM D5185m	>50	0	0	<1
Copper	ppm	ASTM D5185m	>150	3	9	29
Tin	ppm	ASTM D5185m	>20	0	<1	2
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

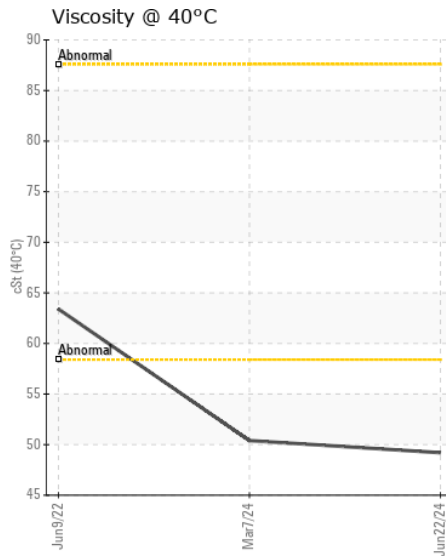
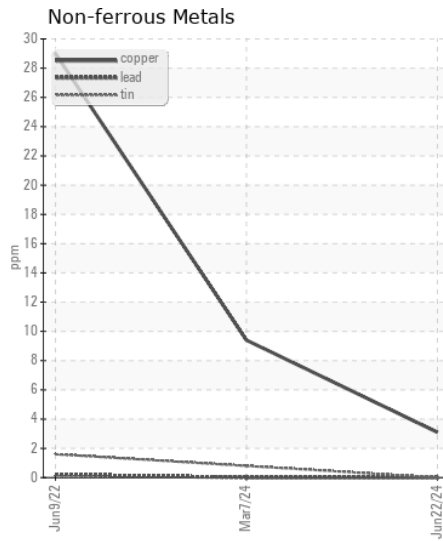
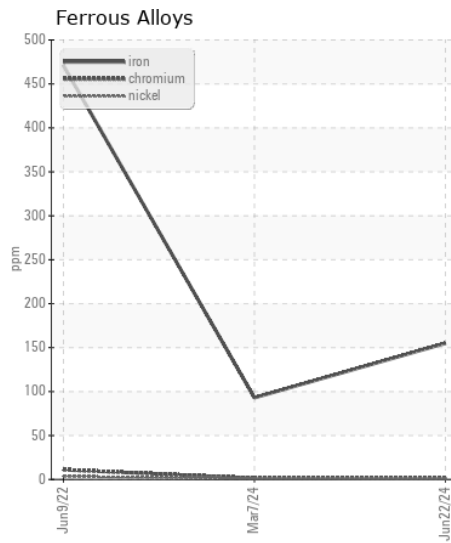
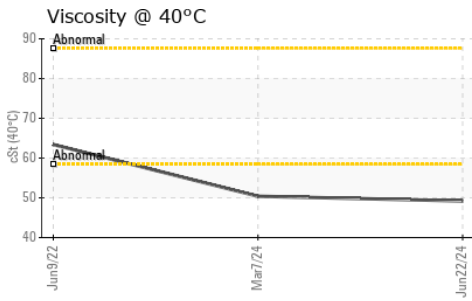
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	40	3	6
Potassium	ppm	ASTM D5185m	>20	4	2	6
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		6	2	<1
Boron	ppm	ASTM D5185m		113	199	62
Barium	ppm	ASTM D5185m		1	0	7
Molybdenum	ppm	ASTM D5185m		7	5	14
Manganese	ppm	ASTM D5185m		4	3	17
Magnesium	ppm	ASTM D5185m		6	16	2
Calcium	ppm	ASTM D5185m		51	316	929
Phosphorus	ppm	ASTM D5185m		2265	1831	626
Zinc	ppm	ASTM D5185m		93	238	681
Sulfur	ppm	ASTM D5185m		12118	19498	4153
Visc @ 40°C	cSt	ASTM D445		49.2	50.4	63.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0009754
Lab Number : 06221671
Unique Number : 11099868
Test Package : CONST

Received : 26 Jun 2024
Tested : 27 Jun 2024
Diagnosed : 28 Jun 2024 - Don Baldrige

114 - ASCENDUM MACHINERY INC - CONCORD
 1025 INTERNATIONAL DR NW
 CONCORD, NC
 US 28027

Contact: JEFF WILBANKS
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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)

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