



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO A30G 752490
Component
Bogie/Center 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		ASC0009760	ASC0007573	VCP375834
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	170	128	473
Chromium	ppm	ASTM D5185m	>20	2	2	11
Nickel	ppm	ASTM D5185m	>10	1	1	4
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>30	<1	<1	<1
Lead	ppm	ASTM D5185m	>50	0	0	<1
Copper	ppm	ASTM D5185m	>150	14	11	29
Tin	ppm	ASTM D5185m	>20	<1	<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

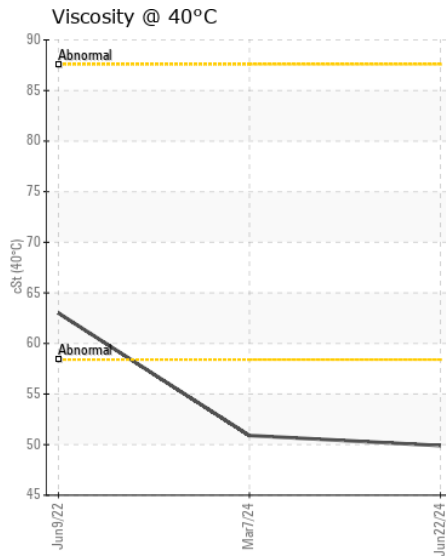
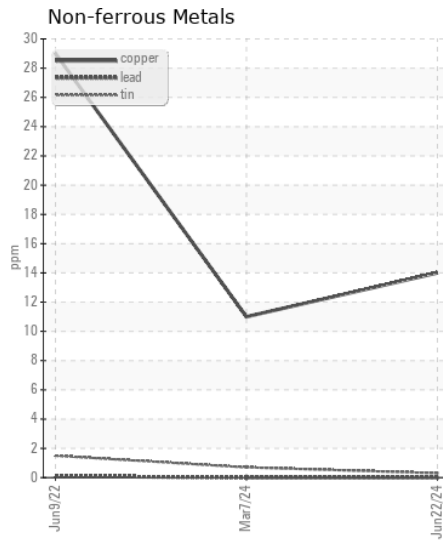
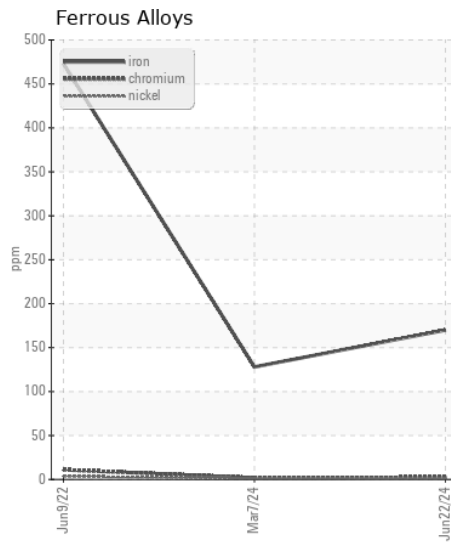
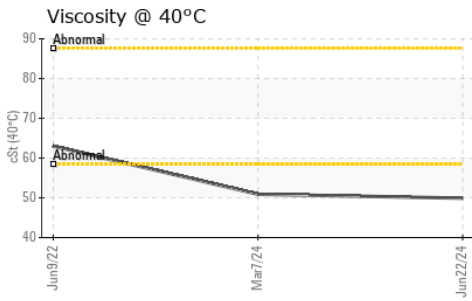
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	3	2	6
Potassium	ppm	ASTM D5185m	>20	3	3	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		2	1	<1
Boron	ppm	ASTM D5185m		158	149	64
Barium	ppm	ASTM D5185m		1	<1	7
Molybdenum	ppm	ASTM D5185m		6	5	14
Manganese	ppm	ASTM D5185m		5	4	17
Magnesium	ppm	ASTM D5185m		18	15	2
Calcium	ppm	ASTM D5185m		247	242	932
Phosphorus	ppm	ASTM D5185m		2022	1705	625
Zinc	ppm	ASTM D5185m		237	216	680
Sulfur	ppm	ASTM D5185m		25051	18214	4153
Visc @ 40°C	cSt	ASTM D445		49.9	50.9	63.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0009760
Lab Number : 06221672
Unique Number : 11099869
Test Package : CONST

Received : 26 Jun 2024
Tested : 27 Jun 2024
Diagnosed : 27 Jun 2024 - Wes Davis

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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