



ASCENDUM

OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION

ABNORMAL

NORMAL



Machine Id
VOLVO A25G 752092
Component
Rear Axle
Fluid
VOLVO SUPER GEAR OIL 75W-80-GO102 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0010818	VCP317106	---
Sample Date		Client Info		20 Jun 2024	28 Jul 2021	---
Machine Age	hrs	Client Info		3040	537	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changed	Changed	---
Filter Changed		Client Info		Not Changed	N/A	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	415	85	---
Chromium	ppm	ASTM D5185m	>20	7	2	---
Nickel	ppm	ASTM D5185m	>10	5	<1	---
Titanium	ppm	ASTM D5185m		3	0	---
Silver	ppm	ASTM D5185m		<1	5	---
Aluminum	ppm	ASTM D5185m	>30	33	0	---
Lead	ppm	ASTM D5185m	>50	1	<1	---
Copper	ppm	ASTM D5185m	>150	59	16	---
Tin	ppm	ASTM D5185m	>20	2	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	MODER	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

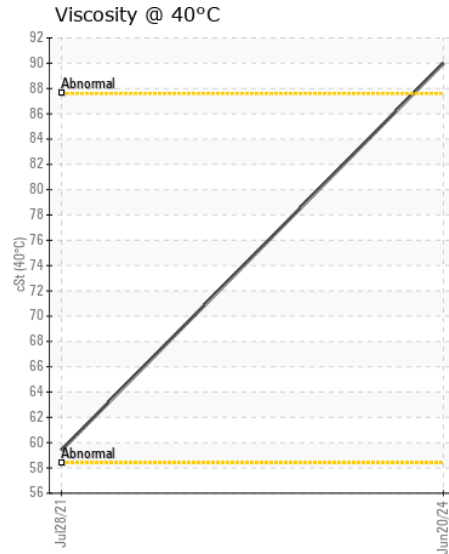
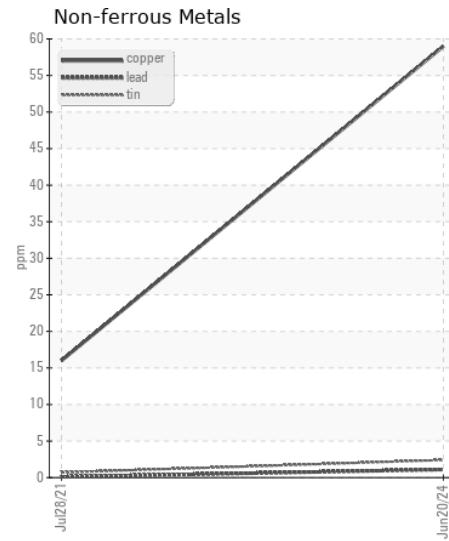
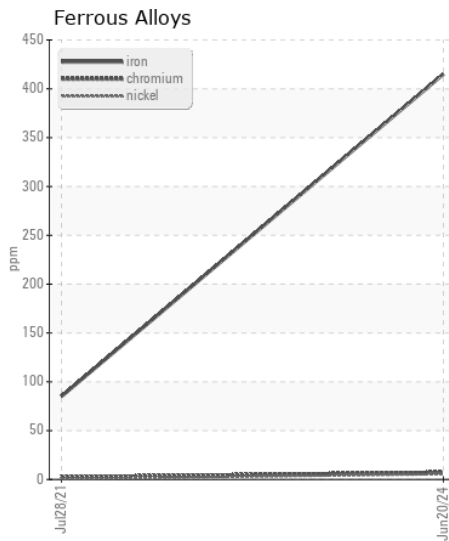
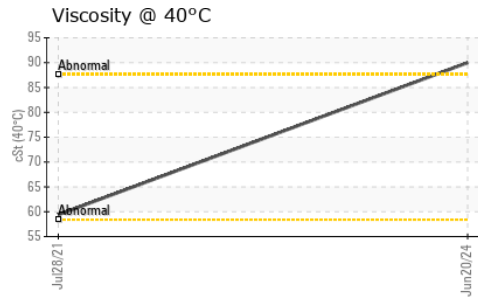
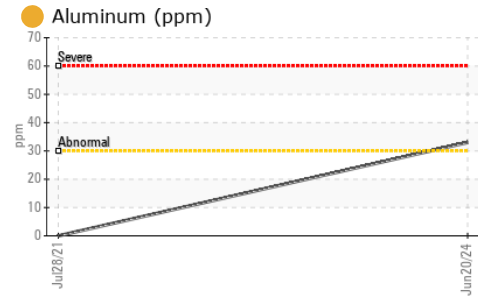
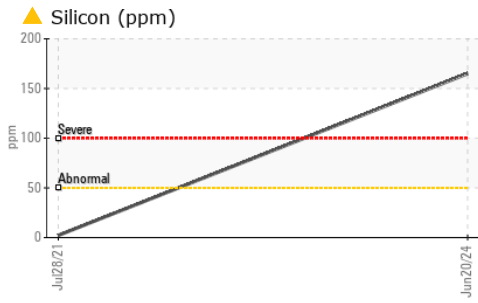
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>50	165	2	---
Potassium	ppm	ASTM D5185m	>20	5	3	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	MODER	MODER	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		4	1	---
Boron	ppm	ASTM D5185m		235	250	---
Barium	ppm	ASTM D5185m		2	0	---
Molybdenum	ppm	ASTM D5185m		5	4	---
Manganese	ppm	ASTM D5185m		18	17	---
Magnesium	ppm	ASTM D5185m		2	2	---
Calcium	ppm	ASTM D5185m		159	408	---
Phosphorus	ppm	ASTM D5185m		1411	1366	---
Zinc	ppm	ASTM D5185m		62	159	---
Sulfur	ppm	ASTM D5185m		26443	19441	---
Visc @ 40°C	cSt	ASTM D445		90.0	59.4	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0010818
Lab Number : 06222931
Unique Number : 11101128
Test Package : CONST

Received : 27 Jun 2024
Tested : 28 Jun 2024
Diagnosed : 30 Jun 2024 - Don Baldrige

365 - ASCENDUM MACHINERY INC - SAVANNAH
 54 MEDLINE DR
 RICHMOND HILL, GA
 US 31324
 Contact: JESSE WILSON
 jesse.wilson@ascendummachinery.com

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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