



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Machine Id
VOLVO A30G 742636
Component
Rear Axle
Fluid
VOLVO SUPER GEAR OIL 75W-80-GO102 (--- GAL)

RECOMMENDATION

The oil 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		ASC0006579	VCP395247	VCP333169
Sample Date		Client Info		08 Apr 2024	06 Feb 2023	23 Jun 2022
Machine Age	hrs	Client Info		4930	3013	3007
Oil Age	hrs	Client Info		1917	3013	1000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	Not Changed	Not Changed
Sample Status				ATTENTION	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	156	312	311
Chromium	ppm	ASTM D5185m	>20	2	5	6
Nickel	ppm	ASTM D5185m	>10	1	3	2
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>30	<1	2	4
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>150	16	44	38
Tin	ppm	ASTM D5185m	>20	0	2	2
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

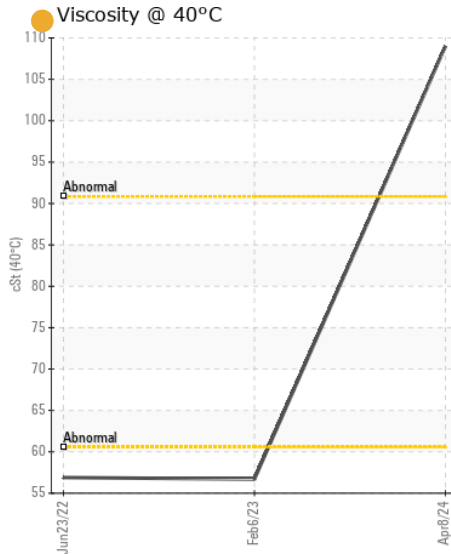
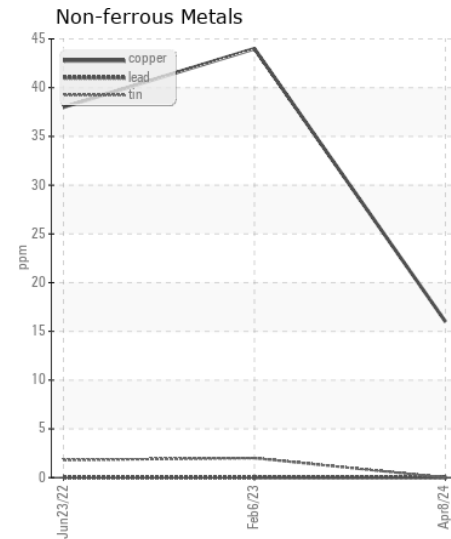
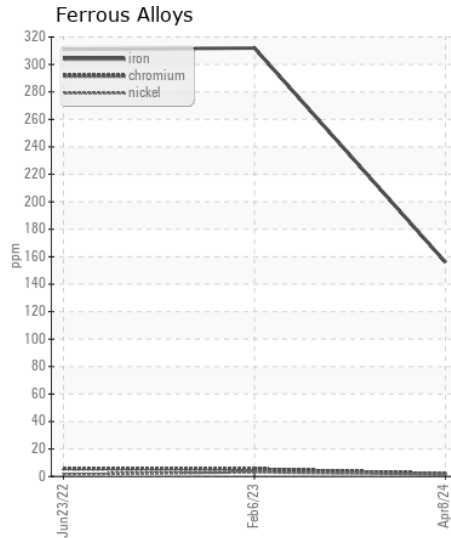
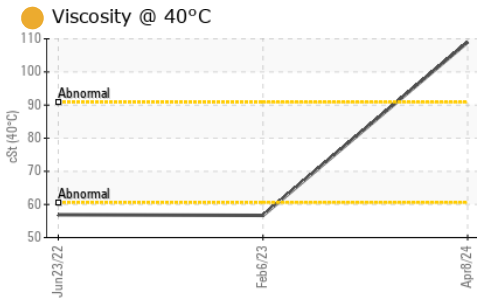
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	2	5	7
Potassium	ppm	ASTM D5185m	>20	1	4	2
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	LIGHT	MODER
Debris	scalar	*Visual	NONE	NONE	LIGHT	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 higher than normal. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		5	4	6
Boron	ppm	ASTM D5185m		269	161	171
Barium	ppm	ASTM D5185m		3	0	0
Molybdenum	ppm	ASTM D5185m		4	10	12
Manganese	ppm	ASTM D5185m		6	17	17
Magnesium	ppm	ASTM D5185m		5	<1	1
Calcium	ppm	ASTM D5185m		222	792	768
Phosphorus	ppm	ASTM D5185m		1263	1335	1319
Zinc	ppm	ASTM D5185m		84	334	315
Sulfur	ppm	ASTM D5185m		43655	18713	21240
Visc @ 40°C	cSt	ASTM D445		109	56.7	56.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0006579
Lab Number : 06150754
Unique Number : 10980832
Test Package : CONST

Received : 16 Apr 2024
Tested : 17 Apr 2024
Diagnosed : 18 Apr 2024 - Don Baldrige

364 - ASCENDUM MACHINERY INC - MACON
 4807 HARRISON RD
 MACON, GA
 US 31206
 Contact: HALIE BAKER
 halie.baker@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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