



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO A45G 13411 (S/N 752029)
Component
Transmission (Auto)
Fluid
DEXRON III (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0010060	ASC0008780	ASC0008685
Sample Date		Client Info		28 Jun 2024	26 Apr 2024	24 Feb 2024
Machine Age	hrs	Client Info		3154	1328	1328
Oil Age	hrs	Client Info		3154	1328	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	N/A	Not Changed
Filter Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	42	53	52
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	6	7	6
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>5	0	<1	0
Aluminum	ppm	ASTM D5185m	>50	24	29	27
Lead	ppm	ASTM D5185m	>50	0	2	0
Copper	ppm	ASTM D5185m	>225	38	43	44
Tin	ppm	ASTM D5185m	>10	5	7	6
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

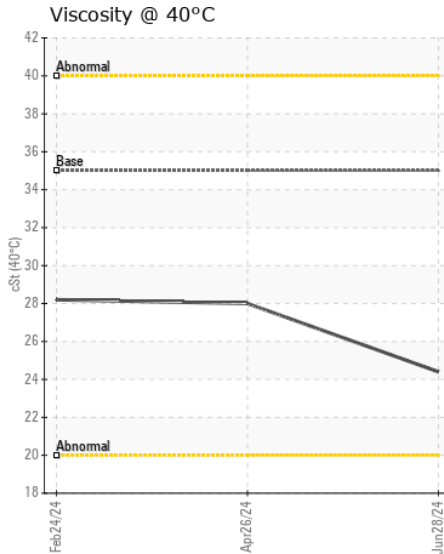
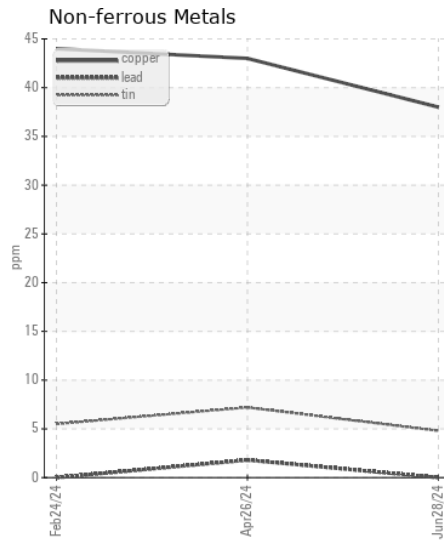
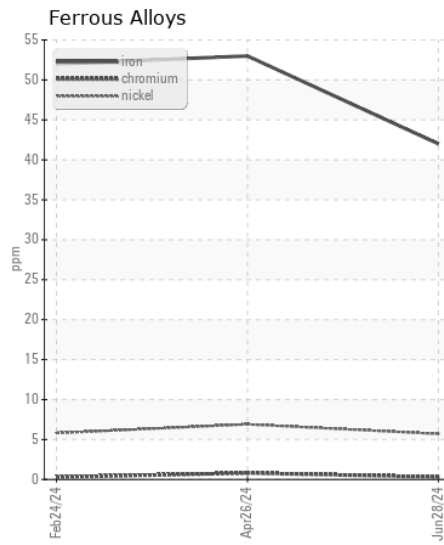
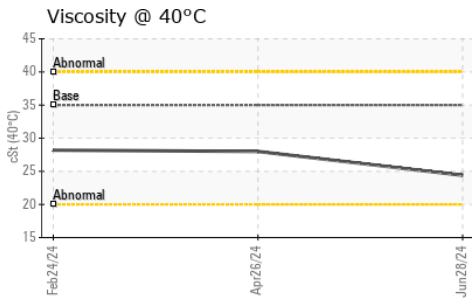
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	7	12	15
Potassium	ppm	ASTM D5185m	>20	2	4	4
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	LIGHT	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		4	7	4
Boron	ppm	ASTM D5185m		90	69	74
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		3	1	<1
Manganese	ppm	ASTM D5185m		1	4	4
Magnesium	ppm	ASTM D5185m		33	4	1
Calcium	ppm	ASTM D5185m		159	95	81
Phosphorus	ppm	ASTM D5185m		316	220	188
Zinc	ppm	ASTM D5185m		49	14	6
Sulfur	ppm	ASTM D5185m		1526	2068	1876
Visc @ 40°C	cSt	ASTM D445	35.0	24.4	28.0	28.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0010060
Lab Number : 06238636
Unique Number : 11127470
Test Package : CONST

Received : 16 Jul 2024
Tested : 17 Jul 2024
Diagnosed : 18 Jul 2024 - Sean Felton

117 - ASCENDUM MACHINERY INC - GREENVILLE
 2002 N GREENE ST
 GREENVILLE, NC
 US 27834

Contact: ALLEN WILLIAMS
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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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