



ASCENDUM

OIL ANALYSIS REPORT

WEAR **NORMAL**

CONTAMINATION **NORMAL**

FLUID CONDITION **NORMAL**



Area

Ascendum Machinery

Machine Id

VOLVO A30G ORT-30 (S/N A30GV752549)

Component

Transmission (Auto)

Fluid

VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (11 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0005481	VCP0006571	VCP0003070
Sample Date		Client Info		12 Oct 2023	16 May 2023	09 Aug 2022
Machine Age	hrs	Client Info		2594	1992	1038
Oil Age	hrs	Client Info		602	1992	1038
Filter Age	hrs	Client Info		0	992	1038
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	15	28	24
Chromium	ppm	ASTM D5185m	>5	0	0	<1
Nickel	ppm	ASTM D5185m	>5	1	2	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	6	26	19
Lead	ppm	ASTM D5185m	>50	<1	0	<1
Copper	ppm	ASTM D5185m	>225	9	23	19
Tin	ppm	ASTM D5185m	>10	3	6	4
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

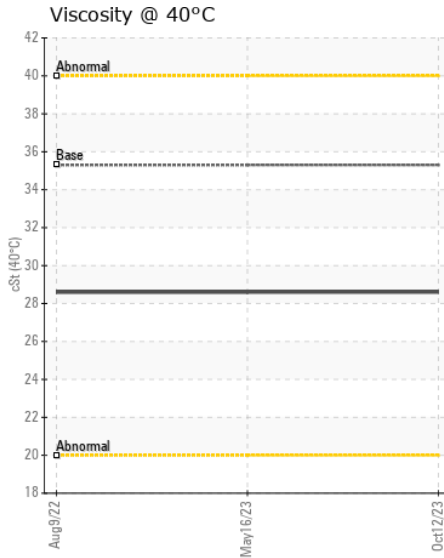
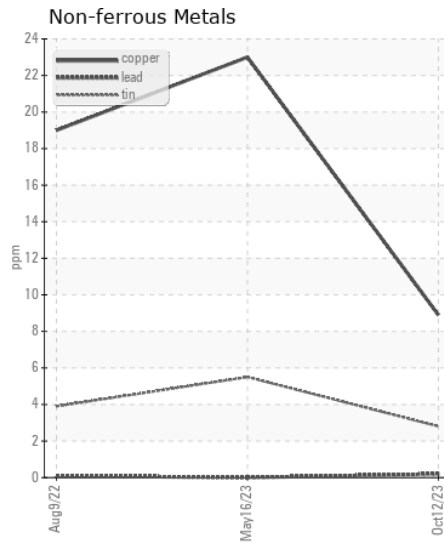
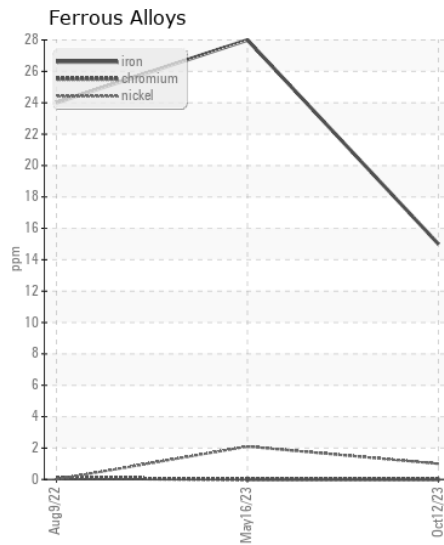
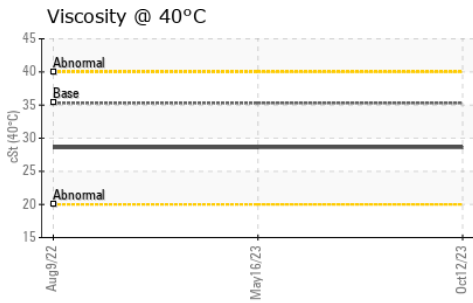
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	6	13	14
Potassium	ppm	ASTM D5185m	>20	2	4	3
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	4	1
Boron	ppm	ASTM D5185m	187	87	74	81
Barium	ppm	ASTM D5185m	0.0	0	2	0
Molybdenum	ppm	ASTM D5185m	0.0	<1	<1	<1
Manganese	ppm	ASTM D5185m	0.0	<1	2	2
Magnesium	ppm	ASTM D5185m	6.8	2	4	3
Calcium	ppm	ASTM D5185m	215	73	83	71
Phosphorus	ppm	ASTM D5185m	445	189	189	179
Zinc	ppm	ASTM D5185m	56	5	11	7
Sulfur	ppm	ASTM D5185m	1336	2215	2064	1881
Visc @ 40°C	cSt	ASTM D445	35.3	28.6	28.6	28.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0005481
Lab Number : 05978578
Unique Number : 10695873
Test Package : CONST

PEDULLA EXCAVATING & PAVING
 1275 SHINN FARM RD
 MOORESVILLE, NC
 US 28115
 Contact: Service Manager

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)

T:
F: