



ASCENDUM

OIL ANALYSIS REPORT



Area
Ascendum Machinery
 Machine Id
VOLVO L70H 623725
 Component
Front Axle
 Fluid
VOLVO WB 102 (9 GAL)

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0007006	ASC0001401	VCP0000568
Sample Date		Client Info		16 Apr 2024	02 Oct 2023	13 Jun 2022
Machine Age	hrs	Client Info		6990	5924	4225
Oil Age	hrs	Client Info		1066	1699	2161
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	22	38	66
Chromium	ppm	ASTM D5185m	>20	2	2	3
Nickel	ppm	ASTM D5185m	>10	1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>30	1	1	<1
Lead	ppm	ASTM D5185m	>50	1	0	<1
Copper	ppm	ASTM D5185m	>120	1	<1	<1
Tin	ppm	ASTM D5185m	>20	1	0	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

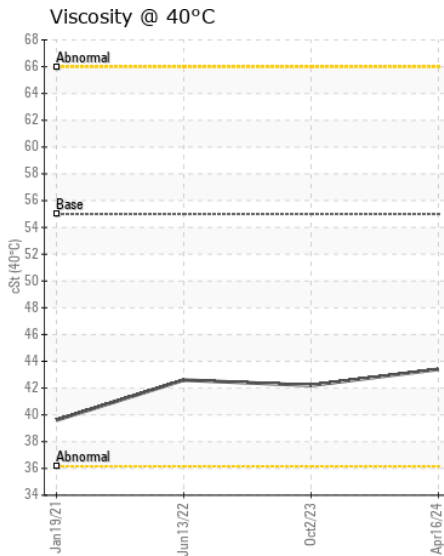
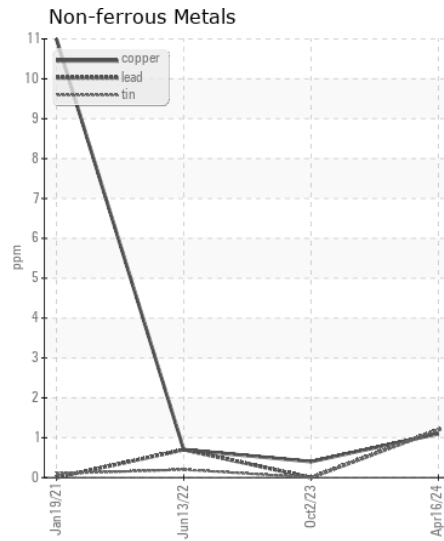
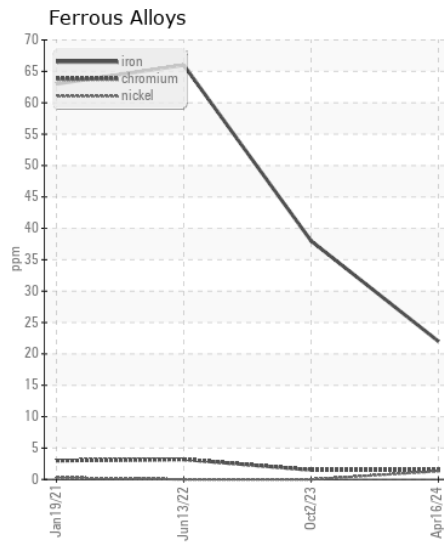
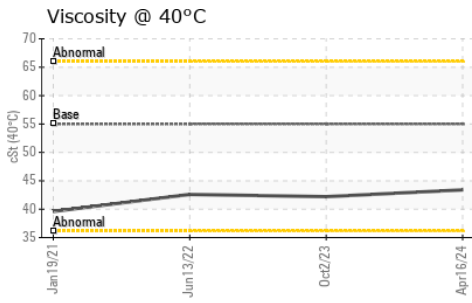
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	15	15	11
Potassium	ppm	ASTM D5185m	>20	2	0	0
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		1	7	6
Boron	ppm	ASTM D5185m		144	162	125
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		3	3	11
Manganese	ppm	ASTM D5185m		3	4	9
Magnesium	ppm	ASTM D5185m		18	20	12
Calcium	ppm	ASTM D5185m		4012	3974	3874
Phosphorus	ppm	ASTM D5185m		1365	1289	1326
Zinc	ppm	ASTM D5185m		1574	1641	1593
Sulfur	ppm	ASTM D5185m		4555	3749	4065
Visc @ 40°C	cSt	ASTM D445	55	43.4	42.2	42.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0007006
Lab Number : 06152361
Unique Number : 10982439
Test Package : CONST
Received : 17 Apr 2024
Tested : 18 Apr 2024
Diagnosed : 18 Apr 2024 - Wes Davis

EGGER TIMBERPAK
 1801 COTTONWOOD ST
 CHARLOTTE, NC
 US 28206
 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)

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