



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO L70H 623179
Component
Rear Axle
Fluid
TRANSAXLE OIL SAE 75W80 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) TRANSAXLE OIL SAE 75W80. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0006025	VCP299624	VCP255540
Sample Date		Client Info		21 Dec 2023	04 Jan 2021	23 Aug 2019
Machine Age	hrs	Client Info		10435	5321	1998
Oil Age	hrs	Client Info		7112	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	171	109	47
Chromium	ppm	ASTM D5185m	>20	2	2	2
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	3	1	1
Lead	ppm	ASTM D5185m	>50	0	0	<1
Copper	ppm	ASTM D5185m	>120	6	17	35
Tin	ppm	ASTM D5185m	>20	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

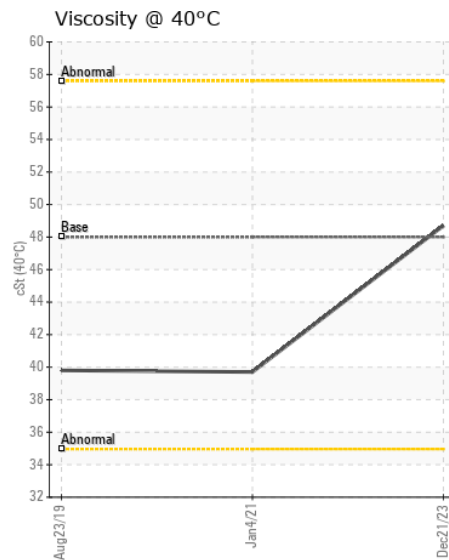
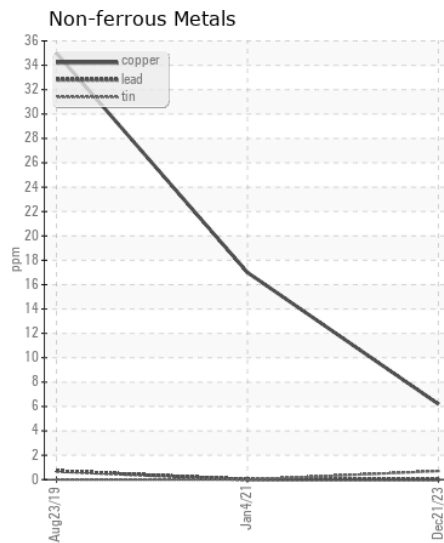
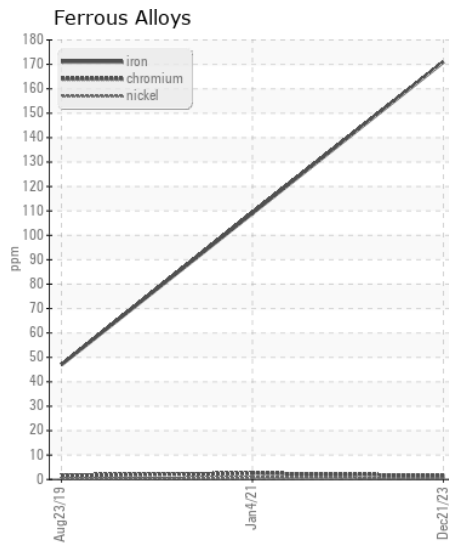
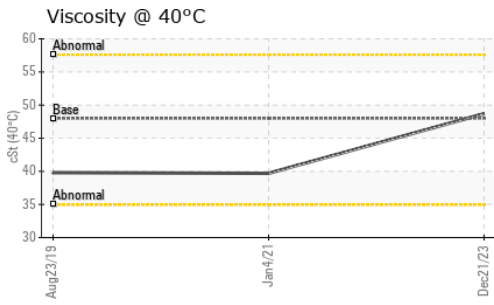
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	18	14	15
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	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		9	6	9
Boron	ppm	ASTM D5185m	160	103	120	128
Barium	ppm	ASTM D5185m	10	0	<1	0
Molybdenum	ppm	ASTM D5185m	25	0	0	<1
Manganese	ppm	ASTM D5185m		2	3	3
Magnesium	ppm	ASTM D5185m	12	17	19	12
Calcium	ppm	ASTM D5185m	3750	3452	4134	4410
Phosphorus	ppm	ASTM D5185m	1200	1350	1374	1413
Zinc	ppm	ASTM D5185m	1500	1540	1653	1756
Sulfur	ppm	ASTM D5185m	6000	3954	3254	3978
Visc @ 40°C	cSt	ASTM D445	48	48.7	39.7	39.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0006025 **Recieved** : 11 Jan 2024
Lab Number : 06058465 **Diagnosed** : 12 Jan 2024
Unique Number : 10829847 **Diagnostician** : Wes Davis
Test Package : CONST

ATLAS ORGANICS
 2115 EAST CLUB BLVD
 DURHAM, NC
 US 27704
 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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