



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Ascendum Machinery
Machine Id
VOLVO L180H 14 (S/N 5269)
Component
Rear Axle
Fluid
VOLVO SUPER WET BRAKE TRANSAXLE OIL WB102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0007964	ASC0000196	VCP0002097
Sample Date		Client Info		25 Jan 2024	15 Jun 2023	02 Aug 2022
Machine Age	hrs	Client Info		15040	12056	8013
Oil Age	hrs	Client Info		2984	4043	8013
Filter Age	hrs	Client Info		0	4043	0
Oil Changed		Client Info		Not Changed	Changed	Changed
Filter Changed		Client Info		Not Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	20	74	102
Chromium	ppm	ASTM D5185m	>20	<1	2	2
Nickel	ppm	ASTM D5185m	>10	0	<1	1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>30	2	3	2
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>120	0	<1	5
Tin	ppm	ASTM D5185m	>20	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

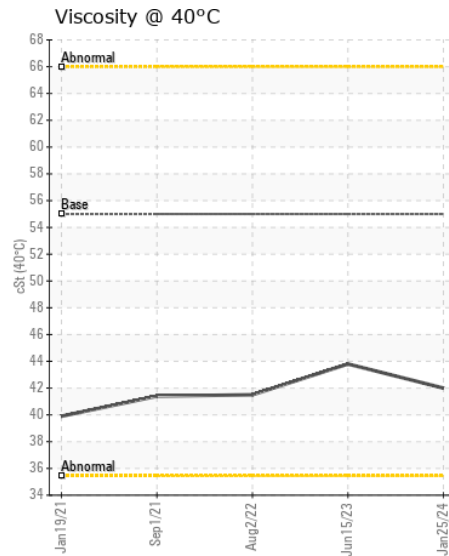
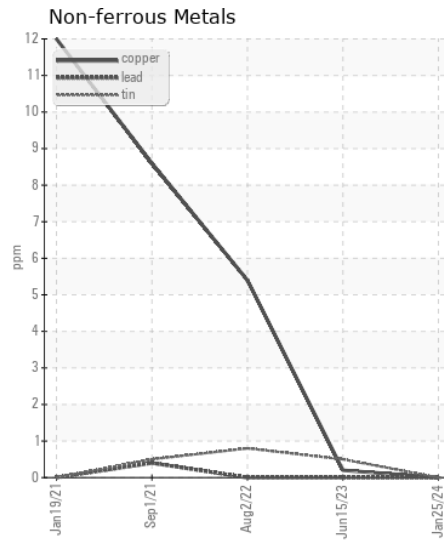
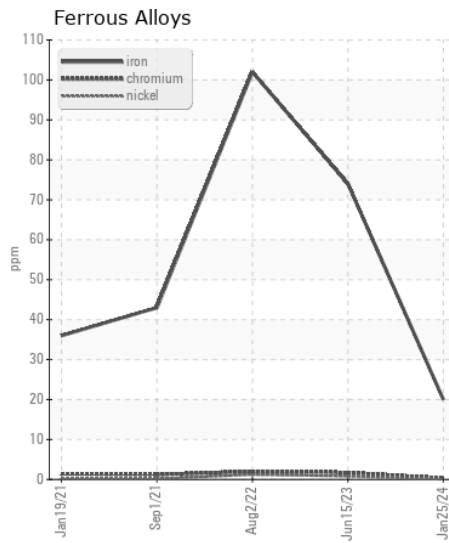
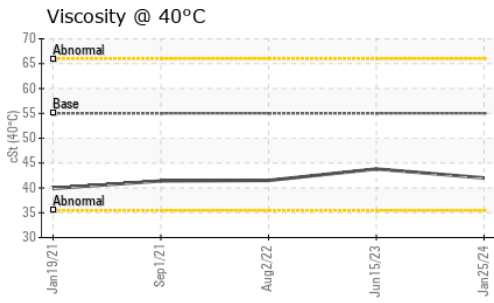
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	9	12	13
Potassium	ppm	ASTM D5185m	>20	1	<1	0
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	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		0	5	5
Boron	ppm	ASTM D5185m		116	136	159
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	2	0
Manganese	ppm	ASTM D5185m		0	1	2
Magnesium	ppm	ASTM D5185m		11	23	7
Calcium	ppm	ASTM D5185m		3389	4002	3872
Phosphorus	ppm	ASTM D5185m		1232	1285	1218
Zinc	ppm	ASTM D5185m		1493	1648	1495
Sulfur	ppm	ASTM D5185m		3861	4540	4717
Visc @ 40°C	cSt	ASTM D445	55	42.0	43.8	41.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0007964 **Received** : 29 Jan 2024
Lab Number : 06073323 **Diagnosed** : 30 Jan 2024
Unique Number : 10850000 **Diagnostician** : Wes Davis
Test Package : CONST

EGGER WOOD PRODUCTS
 300 EGGER PARKWAY
 LINWOOD, NC
 US 27299
 Contact: HELMUT THOMAY
 helmut.thomay@egger.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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