CONST

ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Ascendum Machinery 500HR CSA/Princeton, NC
Machine Id
VOLVO L150H 2202 (S/N 7017)
Component
Rear Axle
Fluid
VOLVO WB 102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

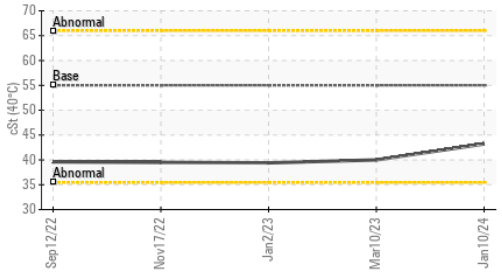
There is no indication of any contamination in the oil.

FLUID CONDITION

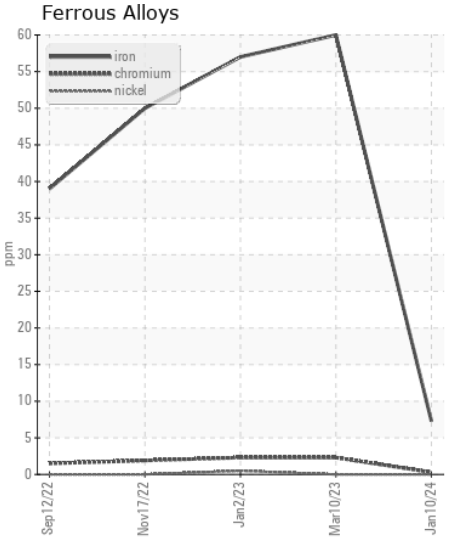
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0006416	VCP403914	VCP369753
Sample Date		Client Info		10 Jan 2024	10 Mar 2023	02 Jan 2023
Machine Age	hrs	Client Info		6052	3602	3046
Oil Age	hrs	Client Info		2052	0	0
Filter Age	hrs	Client Info		2052	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>500	7	60	57
Chromium	ppm	ASTM D5185m	>20	<1	2	2
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	2	2	2
Lead	ppm	ASTM D5185m	>50	0	0	<1
Copper	ppm	ASTM D5185m	>120	0	14	13
Tin	ppm	ASTM D5185m	>20	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>50	11	12	12
Potassium	ppm	ASTM D5185m	>20	2	2	<1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	▲ MODER
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
Sodium	ppm	ASTM D5185m		0	8	9
Boron	ppm	ASTM D5185m		150	109	132
Barium	ppm	ASTM D5185m		3	0	0
Molybdenum	ppm	ASTM D5185m		<1	4	4
Manganese	ppm	ASTM D5185m		0	5	5
Magnesium	ppm	ASTM D5185m		17	12	13
Calcium	ppm	ASTM D5185m		3962	3691	3741
Phosphorus	ppm	ASTM D5185m		1375	1236	1196
Zinc	ppm	ASTM D5185m		1672	1528	1505
Sulfur	ppm	ASTM D5185m		4844	4366	3924
Visc @ 40°C	cSt	ASTM D445	55	43.2	40.0	39.4

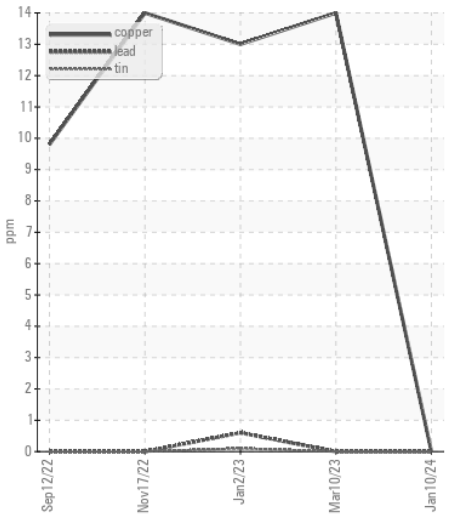
Viscosity @ 40°C



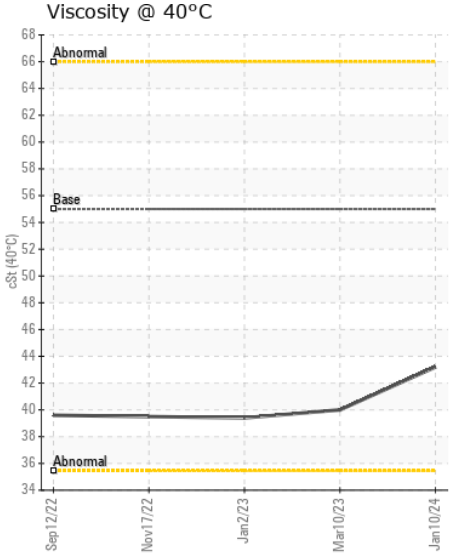
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: ASC0006416	**Recieved**	: 17 Jan 2024
Lab Number	: 06063208	**Diagnosed**	: 18 Jan 2024
Unique Number	: 10834590	**Diagnostician**	: Wes Davis
Test Package	: CONST		

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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