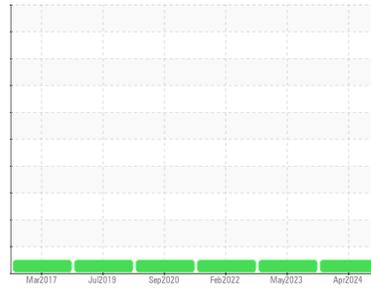




Area
[21404 READY MIX]
 Machine Id
VOLVO L90H 623326
 Component
Rear Axle
 Fluid
VOLVO WB 102 (--- GAL)

Sample Rating Trend



DIAGNOSIS

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.

SAMPLE INFORMATION method limit/base current history1 history2

Sample Number	Client Info	ASC0004299	VCP405162	VCP342512
Sample Date	Client Info	05 Apr 2024	16 May 2023	17 Feb 2022
Machine Age	hrs	Client Info	14372	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	Changed	Changed	N/A
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION method limit/base current history1 history2

Water	WC Method	>0.2	NEG	NEG	NEG
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WEAR METALS method limit/base current history1 history2

Iron	ppm	ASTM D5185m	>300	32	48	99
Chromium	ppm	ASTM D5185m	>10	<1	1	2
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>15	<1	1	8
Lead	ppm	ASTM D5185m	>4	<1	0	<1
Copper	ppm	ASTM D5185m	>200	3	6	3
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Antimony	ppm	ASTM D5185m	>4	---	---	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES method limit/base current history1 history2

Boron	ppm	ASTM D5185m		116	111	131
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m		22	40	72
Calcium	ppm	ASTM D5185m		3684	3572	3865
Phosphorus	ppm	ASTM D5185m		1103	1185	1365
Zinc	ppm	ASTM D5185m		1343	1482	1627
Sulfur	ppm	ASTM D5185m		4299	3780	4033

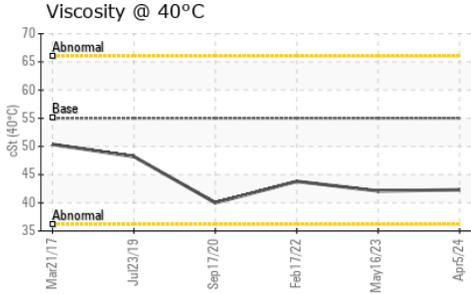
CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	>75	11	13	48
Sodium	ppm	ASTM D5185m		6	5	9
Potassium	ppm	ASTM D5185m	>20	0	2	<1

VISUAL method limit/base current history1 history2

White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
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
Free Water	scalar	*Visual		NEG	NEG	NEG

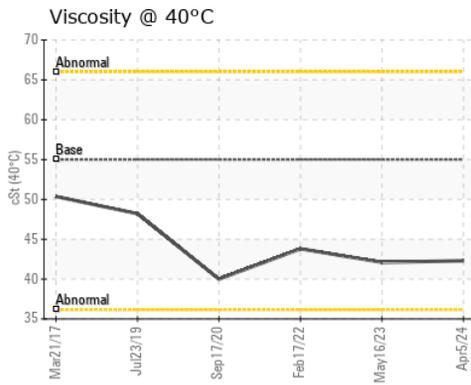
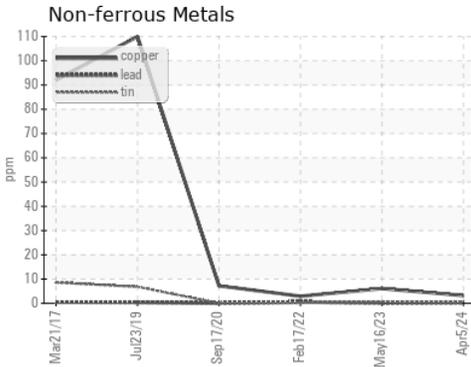
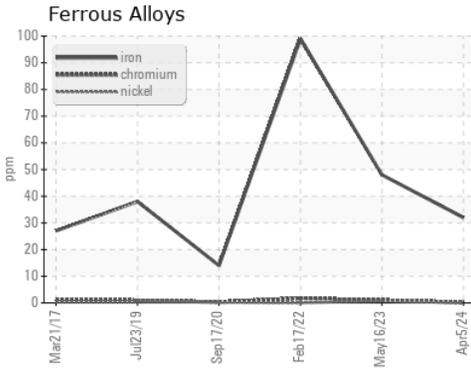
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 55	42.3	42.1	43.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0004299 **Received** : 10 Apr 2024
Lab Number : 06144644 **Tested** : 11 Apr 2024
Unique Number : 10969452 **Diagnosed** : 11 Apr 2024 - Wes Davis
Test Package : CONST

520 - ASCENDUM MACHINERY INC - KNOXVILLE
 5730 RUTLEDGE PIKE
 KNOXVILLE, TN
 US 37924
 Contact: BRANDON GRANT
 brandon.grant@ascendummachinery.com
 T: (865)525-1845
 F: (865)525-0251

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)