



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[WASTE MANAGEMENT]
 Machine Id
VOLVO L90H 626028
 Component
Rear Axle
 Fluid
TDH FLUID SAE 75W80 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0002310	ASC0008732	ASC0008738
Sample Date		Client Info		01 Jul 2024	29 Mar 2024	29 Mar 2024
Machine Age	hrs	Client Info		4471	3897	3897
Oil Age	hrs	Client Info		0	1897	1897
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	184	408	37
Chromium	ppm	ASTM D5185m	>20	<1	3	1
Nickel	ppm	ASTM D5185m	>10	0	4	1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	1	2	2
Lead	ppm	ASTM D5185m	>50	0	1	<1
Copper	ppm	ASTM D5185m	>120	<1	4	1
Tin	ppm	ASTM D5185m	>20	0	<1	1
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

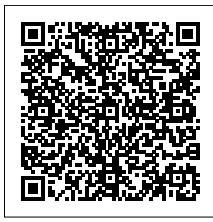
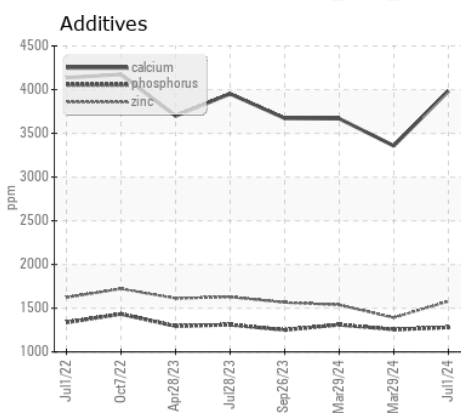
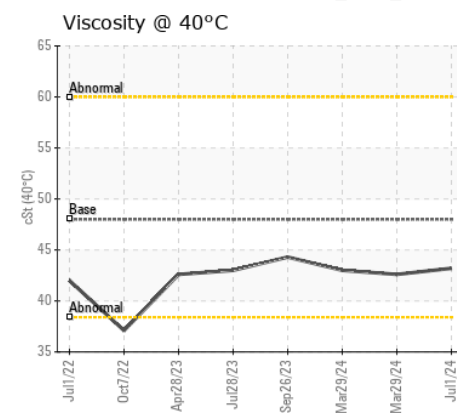
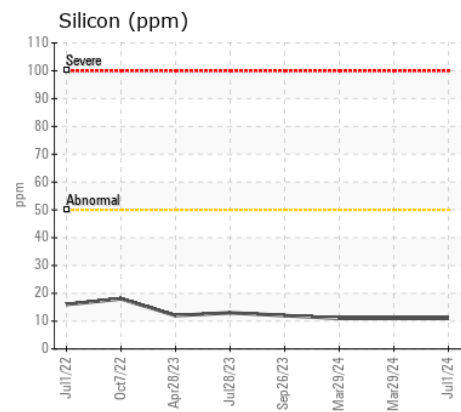
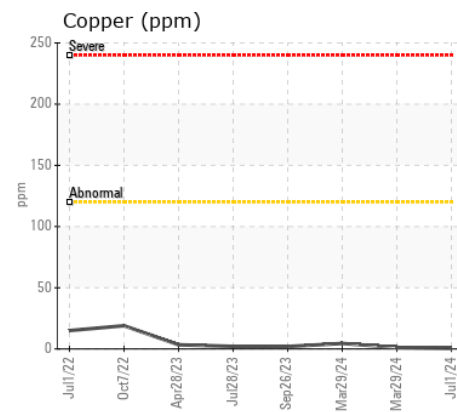
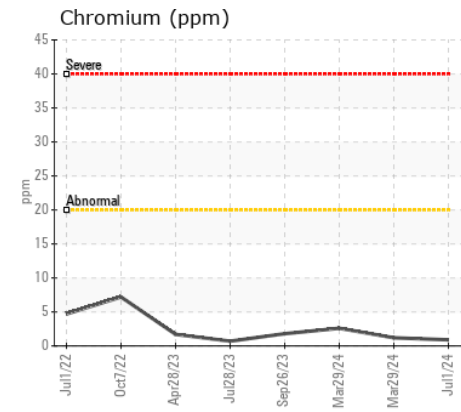
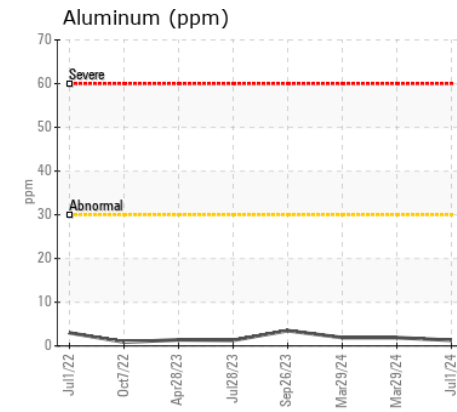
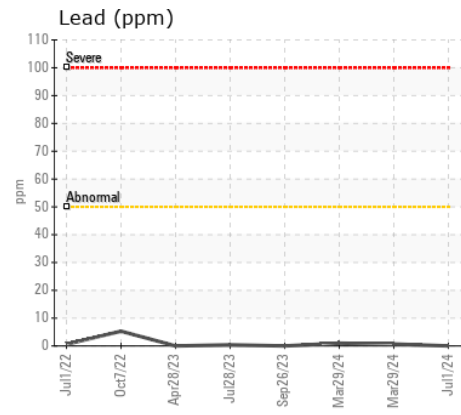
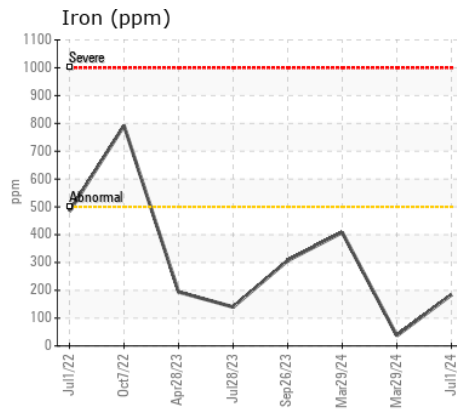
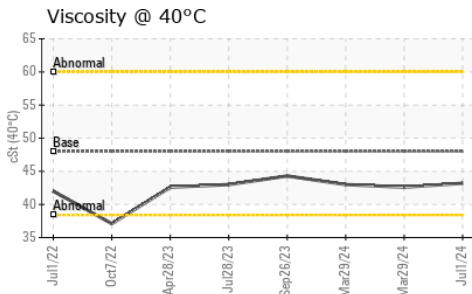
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	11	11	11
Potassium	ppm	ASTM D5185m	>20	0	2	2
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	<1	<1
Boron	ppm	ASTM D5185m	10	115	105	124
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	10	5	9	4
Manganese	ppm	ASTM D5185m		2	5	2
Magnesium	ppm	ASTM D5185m	100	20	20	21
Calcium	ppm	ASTM D5185m	3500	3984	3357	3668
Phosphorus	ppm	ASTM D5185m	1150	1281	1256	1311
Zinc	ppm	ASTM D5185m	1150	1579	1392	1538
Sulfur	ppm	ASTM D5185m	5000	4650	4147	5115
Visc @ 40°C	cSt	ASTM D445	48	43.2	42.6	43.0



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0002310 **Received** : 03 Jul 2024
Lab Number : 06227922 **Tested** : 05 Jul 2024
Unique Number : 11111415 **Diagnosed** : 07 Jul 2024 - Don Baldridge
Test Package : MOBCE

113 - ASCENDUM MACHINERY INC - GARNER
 3561 JONES SAUSAGE ROAD
 GARNER, NC
 US 27529
 Contact: TRENT BROADWELL
 trent.broadwell@ascendummachinery.com
 T: (919)661-8817
 F: (919)661-9038

Certificate L2367
 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)