



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[SWA584249-10]
 Machine Id
VOLVO EC300E 314225
 Component
Rear Left Final Drive
 Fluid
VOLVO SUPER GEAR OIL 75W-80-GO102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP429955	VCP431676	VCP424078
Sample Date		Client Info		14 Jun 2024	18 Mar 2024	07 Sep 2023
Machine Age	hrs	Client Info		6470	5921	4869
Oil Age	hrs	Client Info		500	1000	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	457	425	230
Chromium	ppm	ASTM D5185m	>10	16	15	7
Nickel	ppm	ASTM D5185m	>10	2	1	0
Titanium	ppm	ASTM D5185m		1	1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	6	4	3
Lead	ppm	ASTM D5185m	>25	<1	1	0
Copper	ppm	ASTM D5185m	>50	2	2	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

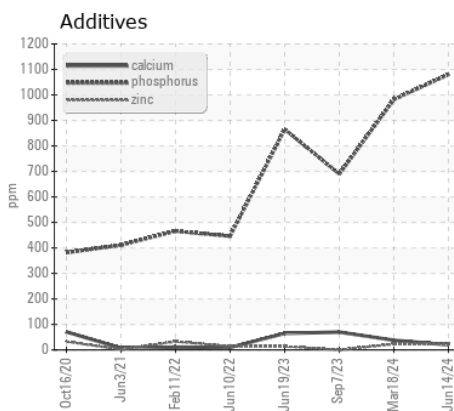
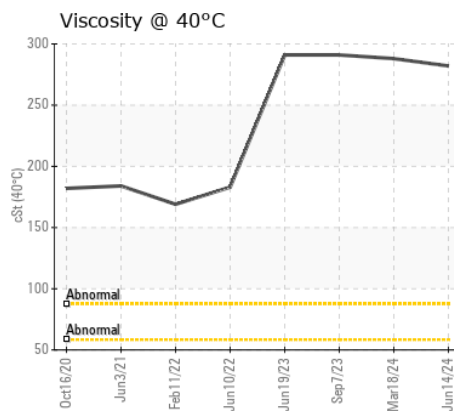
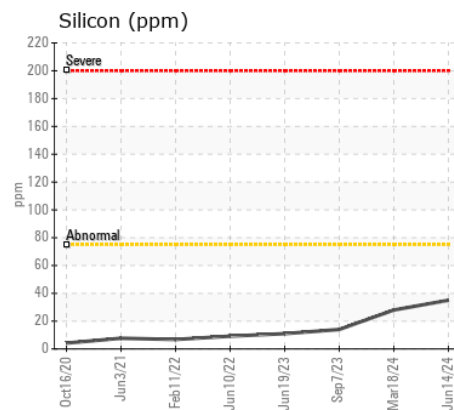
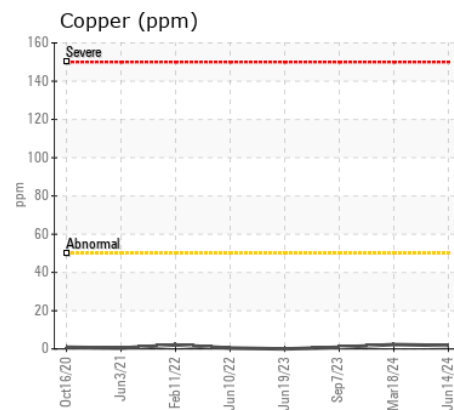
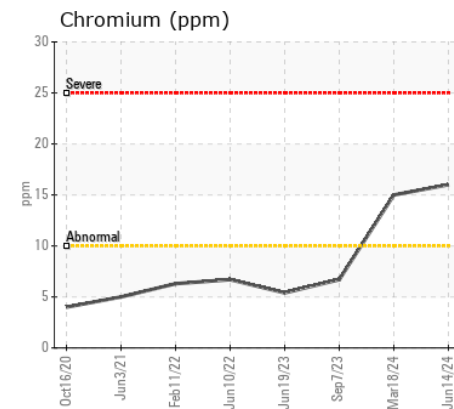
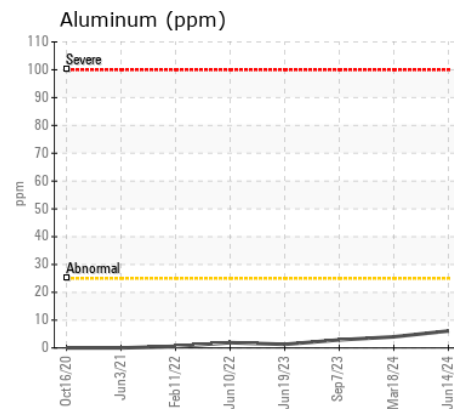
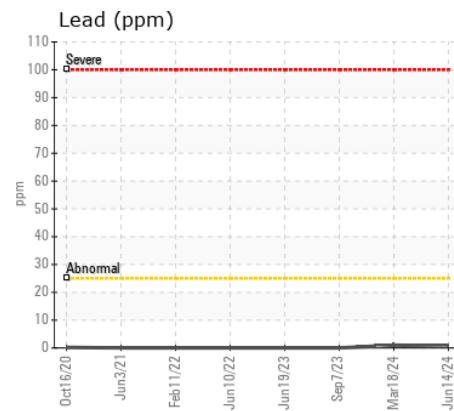
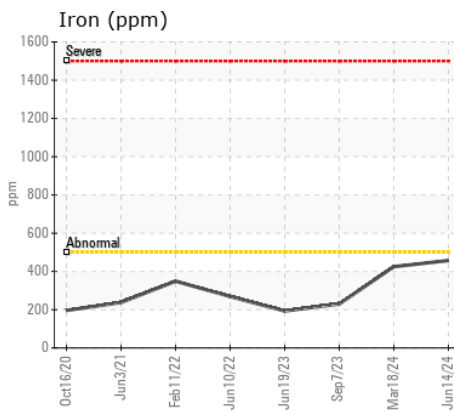
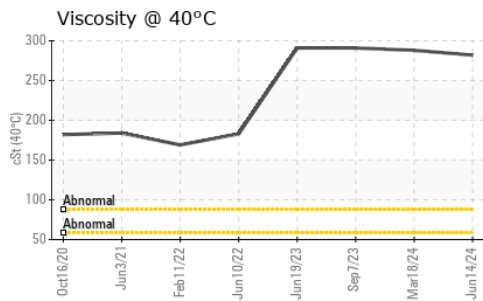
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	35	28	14
Potassium	ppm	ASTM D5185m	>20	16	12	6
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	MODER
Debris	scalar	*Visual	NONE	NONE	LIGHT	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		3	<1	2
Boron	ppm	ASTM D5185m		86	111	72
Barium	ppm	ASTM D5185m		6	5	0
Molybdenum	ppm	ASTM D5185m		3	3	<1
Manganese	ppm	ASTM D5185m		7	6	4
Magnesium	ppm	ASTM D5185m		3	2	0
Calcium	ppm	ASTM D5185m		20	38	70
Phosphorus	ppm	ASTM D5185m		1080	982	690
Zinc	ppm	ASTM D5185m		23	23	0
Sulfur	ppm	ASTM D5185m		31934	29726	25056
Visc @ 40°C	cSt	ASTM D445		282	288	291



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP429955 **Received** : 24 Jun 2024
Lab Number : 06218591 **Tested** : 25 Jun 2024
Unique Number : 11096788 **Diagnosed** : 26 Jun 2024 - Sean Felton
Test Package : MOB 1

DENALI WE CARE
 400 TORNE RD
 HILLBURN, NY
 US 10931
 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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