



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[701481]
 Machine Id
VOLVO A45G 352411
 Component
Bogie/Center Axle
 Fluid
VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP446337	VCP440279	VCP427064
Sample Date		Client Info		10 Apr 2024	22 Nov 2023	19 Jun 2023
Machine Age	hrs	Client Info		6878	6275	5591
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	90	69	154
Chromium	ppm	ASTM D5185m	>20	2	1	2
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	2	<1	0
Lead	ppm	ASTM D5185m	>50	1	0	0
Copper	ppm	ASTM D5185m	>150	2	1	4
Tin	ppm	ASTM D5185m	>20	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

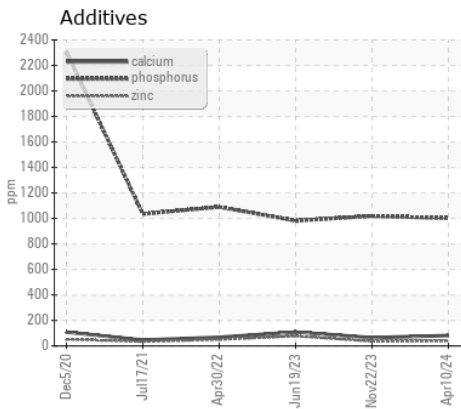
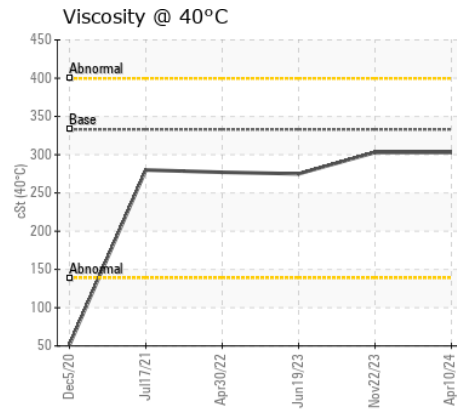
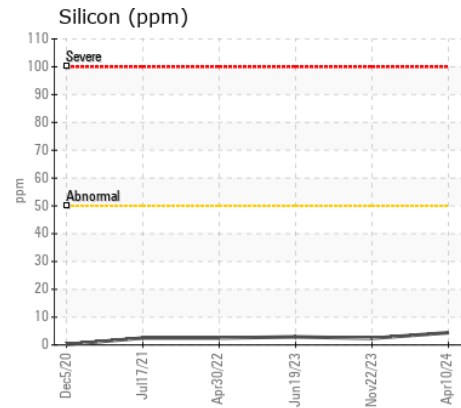
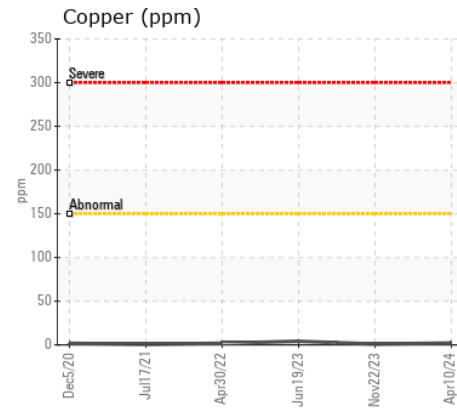
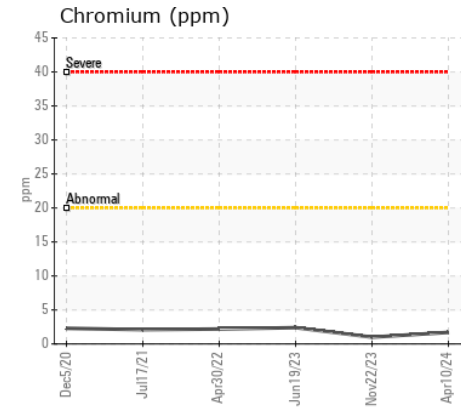
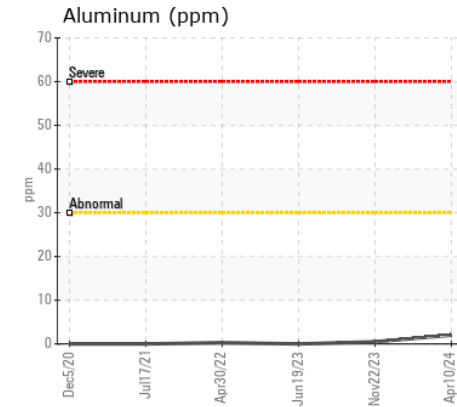
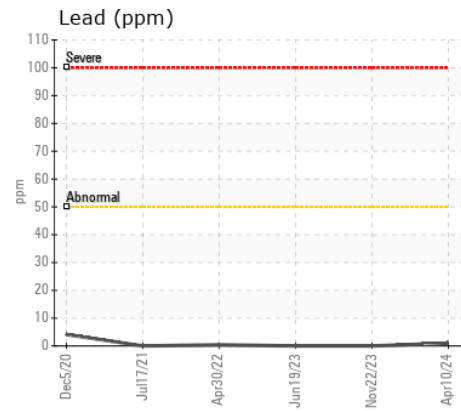
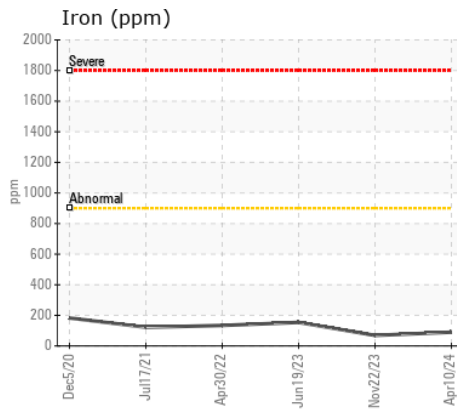
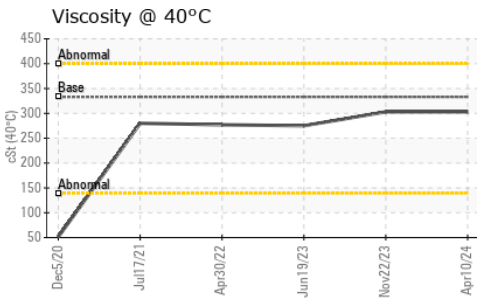
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	4	2	3
Potassium	ppm	ASTM D5185m	>20	1	2	<1
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		0	1	<1
Boron	ppm	ASTM D5185m	111	235	181	98
Barium	ppm	ASTM D5185m	0.0	1	0	0
Molybdenum	ppm	ASTM D5185m	0.9	3	2	2
Manganese	ppm	ASTM D5185m	0.0	3	1	9
Magnesium	ppm	ASTM D5185m	39	12	9	7
Calcium	ppm	ASTM D5185m	93	82	65	109
Phosphorus	ppm	ASTM D5185m	920	1002	1019	982
Zinc	ppm	ASTM D5185m	104	40	36	77
Sulfur	ppm	ASTM D5185m	20179	30186	28550	25711
Visc @ 40°C	cSt	ASTM D445	333	303	303	275



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP446337
Lab Number : 06153470
Unique Number : 10983548
Test Package : MOB 1

Received : 18 Apr 2024
Tested : 19 Apr 2024
Diagnosed : 19 Apr 2024 - Wes Davis

ORANGE COUNTY SOLID WASTE
 5901 YOUNG PINE ROAD
 ORLANDO, FL
 US 32829
 Contact: MICHAEL BEEBE
 michael.beebe@ocfl.net
 T: (407)836-6652
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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)