



# VOLVO

## OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**VOLVO A25F 13541**  
Component  
**Front 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		<b>VCP383987</b>	VCP231448	VCP231450
Sample Date		Client Info		<b>02 May 2023</b>	13 Jul 2018	12 Jul 2018
Machine Age	hrs	Client Info		<b>7844</b>	4007	4007
Oil Age	hrs	Client Info		<b>4000</b>	4000	4000
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	<b>76</b>	334	348
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	8	8
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	4	4
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	3	2
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>30	<b>&lt;1</b>	<1	1
Lead	ppm	ASTM D5185m	>50	<b>0</b>	2	3
Copper	ppm	ASTM D5185m	>150	<b>5</b>	25	30
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>MODER</b>	LIGHT	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

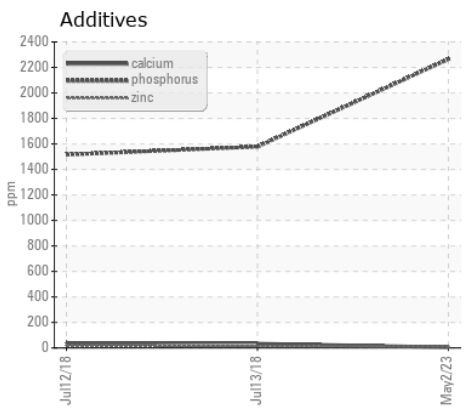
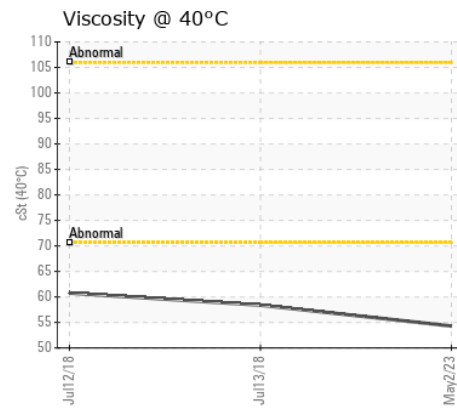
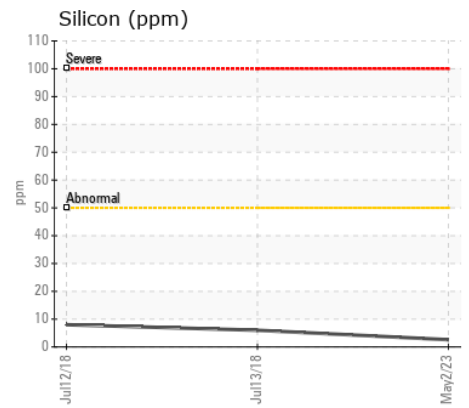
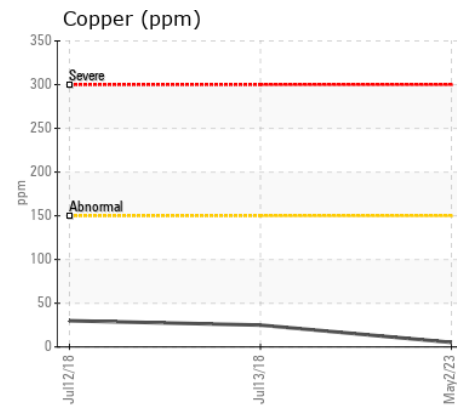
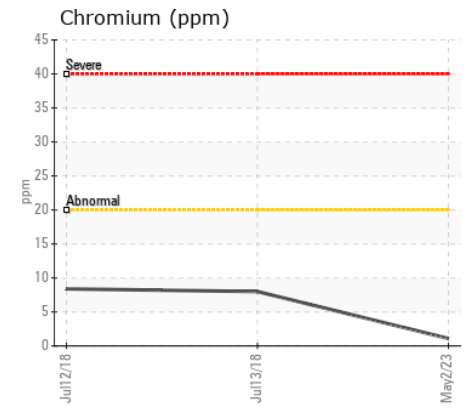
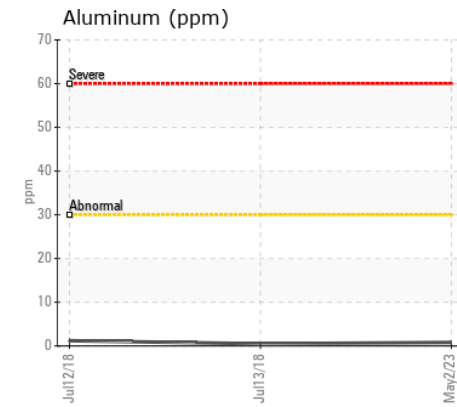
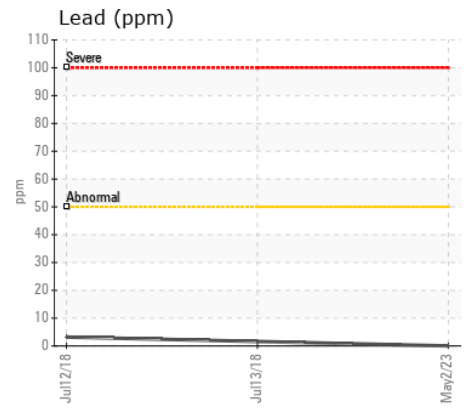
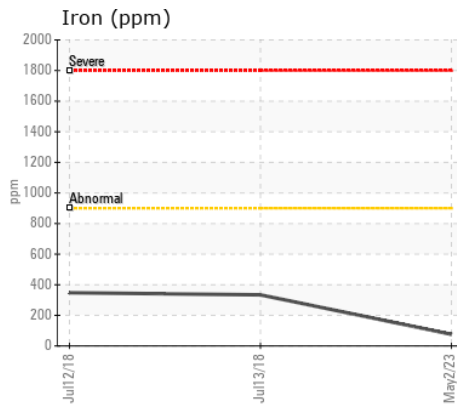
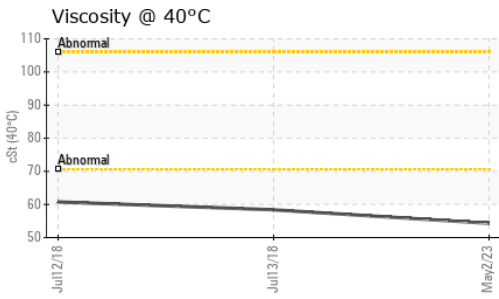
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>3</b>	6	8
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	3	3
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	3	2
Boron	ppm	ASTM D5185m		<b>264</b>	173	175
Barium	ppm	ASTM D5185m		<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>2</b>	17	16
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	2
Calcium	ppm	ASTM D5185m		<b>6</b>	34	40
Phosphorus	ppm	ASTM D5185m		<b>2265</b>	1578	1516
Zinc	ppm	ASTM D5185m		<b>9</b>	15	17
Sulfur	ppm	ASTM D5185m		<b>31473</b>	24173	24380
Visc @ 40°C	cSt	ASTM D445		<b>54.3</b>	58.39	60.76



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP383987 **Received** : 08 May 2023  
**Lab Number** : 05840986 **Diagnosed** : 10 May 2023  
**Unique Number** : 10459789 **Diagnostician** : Don Baldrige  
**Test Package** : MOB 1

**WELLONS CONSTRUCTION**  
 510 N POWELL AVE  
 DUNN, NC  
 US 28334  
 Contact: GREG WRENCH

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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