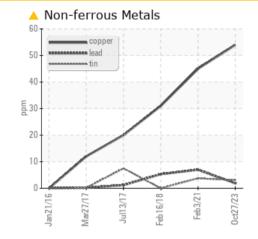
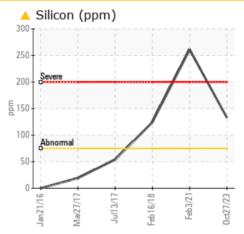
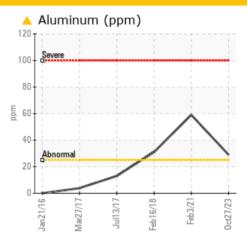


# COMPONENT CONDITION SUMMARY







### RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL	
Aluminum	ppm	ASTM D5185m	>25	<u> </u>	<u> </u>	<b>A</b> 31	
Copper	ppm	ASTM D5185m	>50	<u> </u>	45	31	
Silicon	ppm	ASTM D5185m	>75	<u> </u>	<u> </u>	<u> </u>	

Customer Id: ADVKANKS Sample No.: DJJ0020583 Lab Number: 06011752 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 don.b505@comcast.net

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED AC	NDED ACTIONS					
Action	Status	Date	Done By	Description		
Check Dirt Access			?	We advise that you check all areas where dirt can enter the system.		

# HISTORICAL DIAGNOSIS

## 03 Feb 2021 Diag: Jonathan Hester



We advise that you check all areas where dirt can enter the system. We recommend an early resample to monitor this condition.Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a high amount of visible silt present in the sample. The condition of the oil is acceptable for the time in service.

# view report

view report

### 16 Feb 2018 Diag: Don Baldridge



We advise that you check all areas where dirt can enter the system. We recommend an early resample to monitor this condition.Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (AI) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

13 Jul 2017 Diag: Don Baldridge

# NORMAL



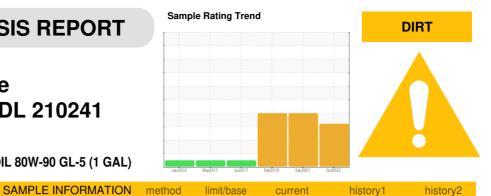
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.







# **OIL ANALYSIS REPORT**



history1

history2

current

# Area AMR-Cheyenne Machine Id VOLVO EC480DL 210241 Component

**Right Final Drive** 

VOLVO PREMIUM GEAR OIL 80W-90 GL-5 (1 GAL)

DIAGNOSIS	

Recommendation

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

### A Wear

The copper level is abnormal. All other component wear rates are normal.

# Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

# Fluid Condition

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

Sample Number		Client Info		DJJ0020583	DJJ0005631	DJJ017731
Sample Date		Client Info		27 Oct 2023	03 Feb 2021	16 Feb 2018
Machine Age	hrs	Client Info		8694	2714	3617
Oil Age	hrs	Client Info		0	214	1731
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	486	▲ 692	<b>A</b> 811
Chromium	ppm	ASTM D5185m	>10	4	6	<u> </u>
Nickel	ppm	ASTM D5185m	>10	2	3	2
Titanium	ppm	ASTM D5185m		2	4	2
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	<mark>/</mark> 29	<u> </u>	<b>A</b> 31
Lead	ppm	ASTM D5185m	>25	2	7	5
Copper	ppm	ASTM D5185m	>50	<u> </u>	45	31
Tin	ppm	ASTM D5185m	>10	3	4	0
Antimony	ppm	ASTM D5185m	>5		0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	379	123	160	76
Barium	ppm	ASTM D5185m	0.0	0	<1	0
Molybdenum	ppm	ASTM D5185m	0.8	0	<1	0
Manganese	ppm	ASTM D5185m	0.0	5	6	9
Magnesium	ppm	ASTM D5185m	31	15	18	19
Calcium	ppm	ASTM D5185m	38	163	302	170
Phosphorus	ppm	ASTM D5185m	1077	1067	1100	1880
Zinc	ppm	ASTM D5185m	46	30	34	43
Sulfur	ppm	ASTM D5185m	23526	19204	23104	20985
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>133</b>	<b>A</b> 261	<b>1</b> 24
Sodium	ppm	ASTM D5185m		9	10	18
Potassium	ppm	ASTM D5185m		11	17	14
Water	%	ASTM D6304		0.053	NEG	NEG
ppm Water	ppm	ASTM D6304	>2000	530		
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	▲ VHEVY	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	0.2%	NEG	NEG
Free Water 3:46:19) Rev: 1	scalar	*Visual		NEG	NEG BRIAN JACOB	NEG

Contact/Location: BRIAN JACOBS - ADVKANKS



# **OIL ANALYSIS REPORT**

