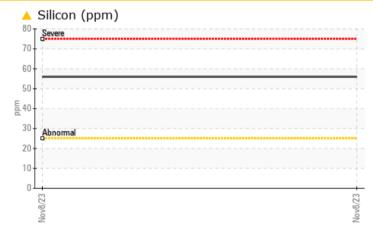


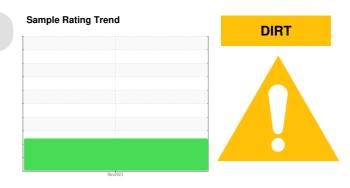
PROBLEM SUMMARY

Area **FLEET** Machine Id **Volvo1** (S/N 4v4nc9eh4rn643763) Component

Diesel Engine Fluid NOT GIVEN (--- GAL)

COMPONENT CONDITION SUMMARY





45 -	Aluminum (ppm)	
40	Severe	
35-		
30-		
25 - 20 -	Abnormal C	
15-		
10-		
5.		
0	Nov8/23	I VU VULEO

RECOMMENDATION

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS								
Sample Status		ABNORMAL						
Aluminum	ppm	ASTM D5185m	>20	<u> </u>				
Silicon	ppm	ASTM D5185m	>25	6				

Customer Id: PERDILSC Sample No.: PCA0108158 Lab Number: 06013804 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 <u>jhester@wearcheckusa.com</u>

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

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Resample			?	We recommend an early resample to monitor this condition.		
Check Dirt Access			?	We advise that you check the air filter, air induction system, and any areas where dirt may enter the component.		

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Area FLEET Volvo1 (S/N 4v4nc9eh4rn643 Component

Diesel Engine Fluid NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend an early resample to monitor this condition.

A Wear

All component wear rates are normal.

Contamination

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

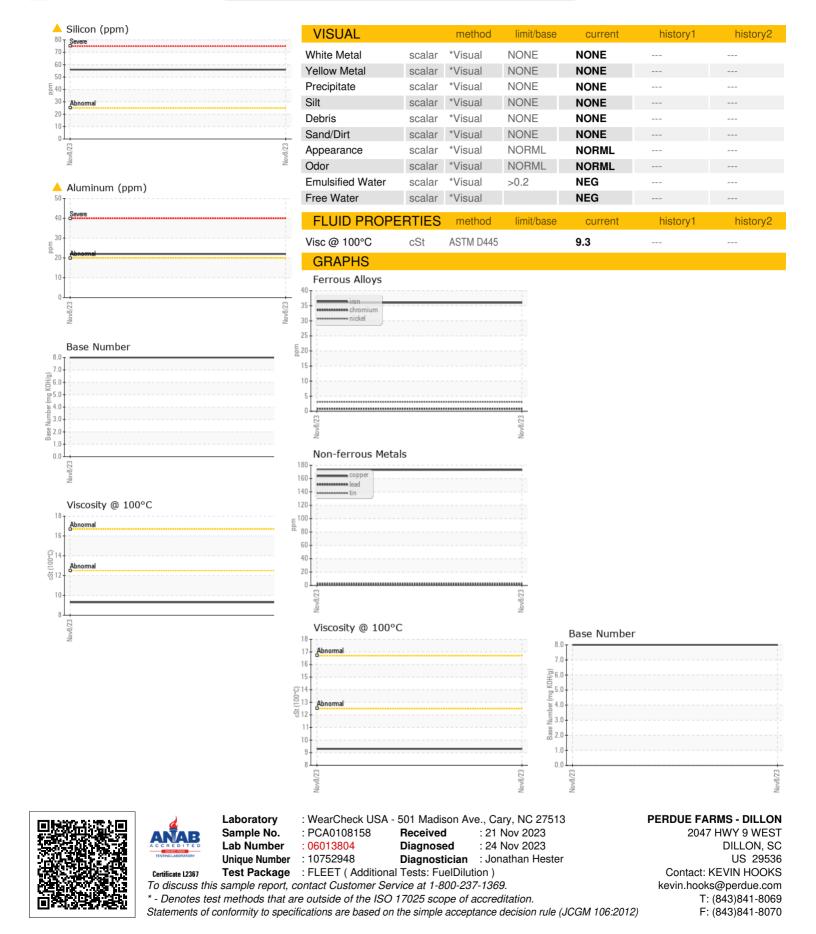
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

	וחי					
3763)						
5705)						
		-				
				Nov2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0108158		
Sample Date		Client Info		08 Nov 2023		
Machine Age	hrs	Client Info		0		
Dil Age	hrs	Client Info		0		
Dil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
			11 11 11		11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Nater		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
			>100	36		,
ron Chromium	ppm ppm	ASTM D5185m	>100	30 <1		
Nickel		ASTM D5185m	>20	3		
Fitanium	ppm ppm	ASTM D5185m	24	ر 1		
Silver	ppm	ASTM D5185m	>3	17		
Aluminum	ppm	ASTM D5185m	>20	<u>^</u> 22		
ead	ppm	ASTM D5185m	>40	2		
Copper	ppm	ASTM D5185m	>330	173		
Γin	ppm	ASTM D5185m	>15	3		
/anadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		245		
Barium Aakubalaassa	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		114 3		
Manganese Magnesium	ppm	ASTM D5185m ASTM D5185m		5 651		
Calcium	ppm ppm	ASTM D5185m		1440		
Phosphorus	ppm	ASTM D5185m		708		
Zinc	ppm	ASTM D5185m		812		
Sulfur	ppm	ASTM D5185m		2261		
			11		1.	
CONTAMINAN	15	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<mark>/</mark> 56		
Sodium	ppm	ASTM D5185m		6		
Potassium	ppm	ASTM D5185m	>20	64		
Fuel	%	ASTM D3524	>5	<1.0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2		
Nitration	Abs/cm	*ASTM D7624		8.9		
Sulfation	Abs/.1mm	*ASTM D7624	>30	24.6		
FLUID DEGRA	JATION	method	limit/base	current	history1	history2
Dxidation	Abs/.1mm	*ASTM D7414	>25	21.7		
Base Number (BN)	mg KOH/g	ASTM D2896		8.0		

Sample Rating Trend

DIRT



OIL ANALYSIS REPORT

OIL

DIAGNOSTICS

Submitted By: KEVIN HOOKS

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