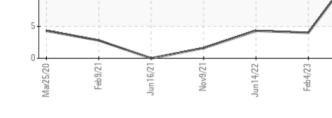
# SCENDUN PROBLEM SUMMARY Area Area Area Area Area Dissel Engine Idd VOLVO VDS-4.5 Premium Motor Oil 15W40 (--- GAL) Sample Rating Trend Sample Rating Trend Sample Rating Trend WEAR Main Including Component Dissel Engine VOLVO VDS-4.5 Premium Motor Oil 15W40 (--- GAL) COMPONENT CONDITION SUMMARY Aluminum (ppm)

Aug14/23



### RECOMMENDATION

Abnormal

15 ud

10

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	NORMAL	NORMAL		
Aluminum	ppm	ASTM D5185m	>10	<u> </u>	4	4		

Customer Id: NOVCHANC Sample No.: ASC0000091 Lab Number: 05925924 Test Package: MOBCE



To manage this report scan the QR code

*To discuss the diagnosis or test data:* Don Baldridge +1 <u>don.b505@comcast.net</u>

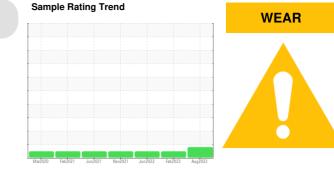
*To change component or sample information:* Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>

RECOMMENDED ACTIONS					
Action	Status	Date	Done By	Description	
Change Fluid			?	Oil and filter change at the time of sampling has been noted.	
Change Filter			?	Oil and filter change at the time of sampling has been noted.	

HISTORICAL DIAGNOSIS

# ASCENDUM

## **OIL ANALYSIS REPORT**



Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to

There is no indication of any contamination in the

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

oil is suitable for further service.

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

DIAGNOSIS

Contamination

Fluid Condition

monitor.

oil.

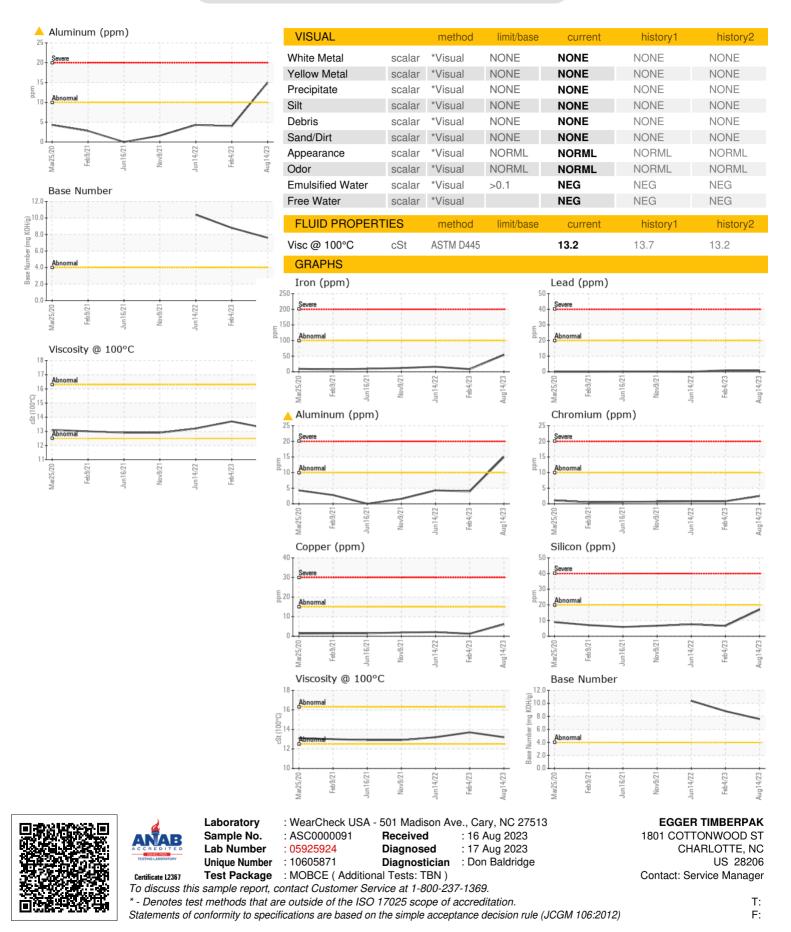
### Area Ascendum Machinery Machine Id VOLVO EC200EL 310063 Component Diesel Engine Fluid

VOLVO VDS-4.5 Premium Motor Oil 15W40 (--- GAL)

		war2020	live 11 /	NUVEUE 1 UNIEUEE P802023	Aug2U23	
SAMPLE INFORM	VIATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ASC0000091	VCP0007109	VCP000057
Sample Date		Client Info		14 Aug 2023	04 Feb 2023	14 Jun 2022
Machine Age	hrs	Client Info		4517	3870	3293
Oil Age	hrs	Client Info		647	577	769
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>6.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	54	8	16
Chromium	ppm	ASTM D5185m	>10	2	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	<u> </u>	4	4
Lead	ppm	ASTM D5185m	>20	<1	<1	0
Copper	ppm		>15	6	1	2
Tin	ppm	ASTM D5185m	>10	2	<1	2
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES	ppm	method	limit/base	current	history1	history2
			IIIIII/Dase			
Boron	ppm	ASTM D5185m		4	35	30
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		66	58	40
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		889	719	480
Calcium	ppm	ASTM D5185m		1344	1357	1601
Phosphorus	ppm	ASTM D5185m		1024	984	834
Zinc	ppm	ASTM D5185m		1341	1220	1040
Sulfur	ppm	ASTM D5185m		3709	3428	2694
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	17	7	8
Sodium	ppm	ASTM D5185m		2	2	2
Potassium	ppm	ASTM D5185m	>20	1	<1	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7	0.1	0.4
Nitration	Abs/cm	*ASTM D7624	>20	10.5	8.0	8.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.0	19.2	22.6
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.9	16.2	21.1
Base Number (BN)	mg KOH/g			7.6	8.8	10.4
	ing itoring	10111102000		1.0	0.0	10.7

# ASCENDUM

# **OIL ANALYSIS REPORT**



Submitted By: CHRISTOPHER CANIPE