

RECOMMENDATION

Apr1

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL	MARGINAL	NORMAL	
Fuel	%	ASTM D3524	>3.0	A 3.7	3 .1	<1.0	
Visc @ 100°C	cSt	ASTM D445	15.0	12.1	12.0	11.9	

Customer Id: WHIBRE Sample No.: ASC0003241 Lab Number: 05979386 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

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

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Resample			?	We recommend an early resample to monitor this condition.			

HISTORICAL DIAGNOSIS

15 Apr 2021 Diag: Jonathan Hester



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. Light fuel dilution occurring. The condition of the oil is acceptable for the time in service.



28 Apr 2020 Diag: Don Baldridge





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.

WEAR

14 Nov 2018 Diag: Don Baldridge

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





ASCENDUM

OIL ANALYSIS REPORT

Sample Rating Trend

FUEL



VOLVO A25D 15845 Component

Diesel Engine Eluid

AGNOSIS	SAMPLE INFORM		method	limit/base	current	history1	history
				in the base		Nopagaga	
ecommendation	Sample Number		Client Info		ASC0003241	VCP308066	VCP281/14
oil change at the time of sampling has been	Sample Date		Client Info		11 Oct 2023	15 Apr 2021	28 Apr 2020
itor this condition.	Machine Age	hrs	Client Info		7015	5990	5548
-	Oil Age	hrs	Client Info		500	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
omponent wear rates are normal.	Sample Status				ABNORMAL	MARGINAL	NORMAL
ontamination	CONTAMINATION		method	limit/base	current	history1	history
e is a moderate amount of fuel present in the ests confirm the presence of fuel in the oil.	Glycol		WC Method		NEG	NEG	NEG
uid Condition	WEAR METALS		method	limit/base	current	history1	history
3N result indicates that there is suitable	Iron	nnm	ASTM D5185m	>100	8	9	12
d is lowering the viscosity. The oil is no longer	Chromium	ppm	ACTM DE105m	>100	.1	-1	-1
eable due to the presence of contaminants.	Niekol	ppm	ACTM D5105m	>10	<1 .1	<1	<1
	Titoreiume	ppiii		>10	<1	< 1	< 1
	Cilver	ppm		0	0	0	0
	Silver	ppm	ASTM D5185m	>2	U	0	0
	Aluminum	ppm	ASTM D5185m	>10	0	1	2
	Lead	ppm	ASTM D5185m	>20	<1	<1	<1
	Copper	ppm	ASTM D5185m	>15	2	4	11
	Tin	ppm	ASTM D5185m	>10	<1	<1	<1
	Antimony	ppm	ASTM D5185m			<1	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history
	Boron	ppm	ASTM D5185m	2.5	52	61	35
	Barium	ppm	ASTM D5185m	0.0	2	0	0
	Molybdenum	ppm	ASTM D5185m	0.7	38	15	37
	Manganese	ppm	ASTM D5185m	0.0	<1	<1	<1
	Magnesium	ppm	ASTM D5185m	256	446	624	461
	Calcium	ppm	ASTM D5185m	2057	1528	1401	1537
	Phosphorus	ppm	ASTM D5185m	935	867	712	695
	Zinc	nnm	ASTM D5185m	1223	976	820	767
	Sulfur	ppm	ASTM D5185m	4079	2568	2447	2600
	CONTAMINANTS		method	limit/base	current	history1	history
	Silicon	ppm	ASTM D5185m	>20	5	<1	4
	Sodium	ppm	ASTM D5185m		0	1	3
	Potassium	ppm	ASTM D5185m	>20	<1	2	0
		%	ASTM D3524	>3.0	A 3.7	▲ 3.1	<1.0
	Fuel						
	Fuel		method	limit/base	current	history1	history
	Fuel INFRA-RED Soot %	%	method *ASTM D7844	limit/base	current 0.7	history1 0.9	history 1.2
	Fuel INFRA-RED Soot % Nitration	% Abs/cm	method *ASTM D7844 *ASTM D7624	limit/base	current 0.7 7.2	history1 0.9 9	history 1.2 8
	Fuel INFRA-RED Soot % Nitration Sulfation	% Abs/cm Abs/.1mm	method *ASTM D7844 *ASTM D7624 *ASTM D7415	limit/base >3 >20 >30	0.7 7.2 22.4	history1 0.9 9 22.4	history 1.2 8 23.6
	Fuel INFRA-RED Soot % Nitration Sulfation FLUID DEGRADA	% Abs/cm Abs/.1mm	method *ASTM D7844 *ASTM D7624 *ASTM D7415 method	limit/base >3 >20 >30 limit/base	0.7 7.2 22.4 current	history1 0.9 9 22.4 history1	history 1.2 8 23.6 history
	Fuel INFRA-RED Soot % Nitration Sulfation FLUID DEGRADA	% Abs/cm Abs/1mm	method *ASTM D7844 *ASTM D7624 *ASTM D7415 method	limit/base >3 >20 >30 limit/base	0.7 7.2 22.4 current	history1 0.9 9 22.4 history1	history 1.2 8 23.6 history



OIL ANALYSIS REPORT



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: BRAD KEEVER

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US 28712

1/23

Oct11

history2

NONE

NONE

NONE

NONE

NORML

histor

NEG

11.9