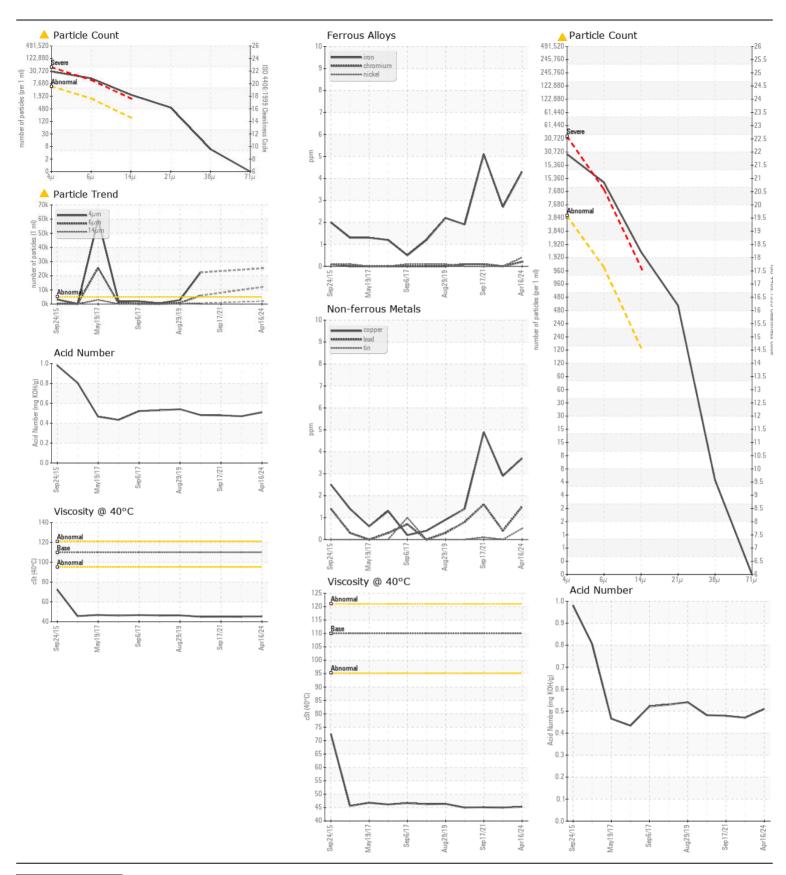
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL ABNORMAL NORMAL

Machine Id

VOLVO SD-100D 001697 (S/N 198137) Component Hydraulic System

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number	OOW	Client Info	Littleyton	WC0856140	,	WC0604469
	Sample Date		Client Info		16 Apr 2024	01 Sep 2022	17 Sep 202
	Machine Age	hrs	Client Info		6297	5707	5703
	Oil Age	hrs	Client Info		590	4	1500
	Filter Age	hrs	Client Info		590	4	500
	Oil Changed		Client Info		Changed	Not Changd	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	ABNORMAL	ABNORMAI
VEAR	Iron	ppm	ASTM D5185m	>20	4	3	5
VEAIL	Chromium	ppm	ASTM D5185m		<1	0	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	0	0
	Titanium	ppm	ASTM D5185m		<1	0	<1
	Silver	ppm	ASTM D5185m		0	0	<1
	Aluminum	ppm	ASTM D5185m	>10	2	<1	0
	Lead	ppm	ASTM D5185m		2	<1	2
	Copper	ppm	ASTM D5185m	>75	4	3	5
	Tin	ppm	ASTM D5185m	>10	<1	0	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	3	1	4
	Potassium	ppm	ASTM D5185m	>20	1	0	<1
There is a high amount of particulates present in the oil.	Water		WC Method	>0.1	NEG	NEG	NEG
	Particles >4µm		ASTM D7647	>5000	25209		
	Particles >6µm		ASTM D7647	>1300	<u> </u>		
	Particles >14μm		ASTM D7647	>160	<u> </u>		
	Particles >21μm		ASTM D7647	>40	<u> </u>		
	Particles >38μm		ASTM D7647		5		
	Particles >71μm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)		<u>^</u> 22/21/18		
	Silt	scalar	*Visual	NONE	LIGHT	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	▲ MODER	▲ MODE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
<u></u>	Emulsified Water	Scalar	VISUAI	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	0	0
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		<1	0	7
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		3	2	4
	Manganese	ppm	ASTM D5185m		<1	0	<1
	Magnesium	ppm	ASTM D5185m		24	9	21
	Calcium	ppm	ASTM D5185m		236	251	502
	Phosphorus	ppm	ASTM D5185m		372	350	649
	Zinc	ppm	ASTM D5185m		424	401	791
	Sulfur	ppm	ASTM D5185m		1394	1373	2321
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.51	0.47	0.479





Certificate L2367

Laboratory Sample No.

: WC0856140 Lab Number : 06158428 Unique Number: 10993851 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 Apr 2024 : 24 Apr 2024 **Tested** : 25 Apr 2024 - Don Baldridge Diagnosed

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.

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