WEAR CONTAMINATION FLUID CONDITION

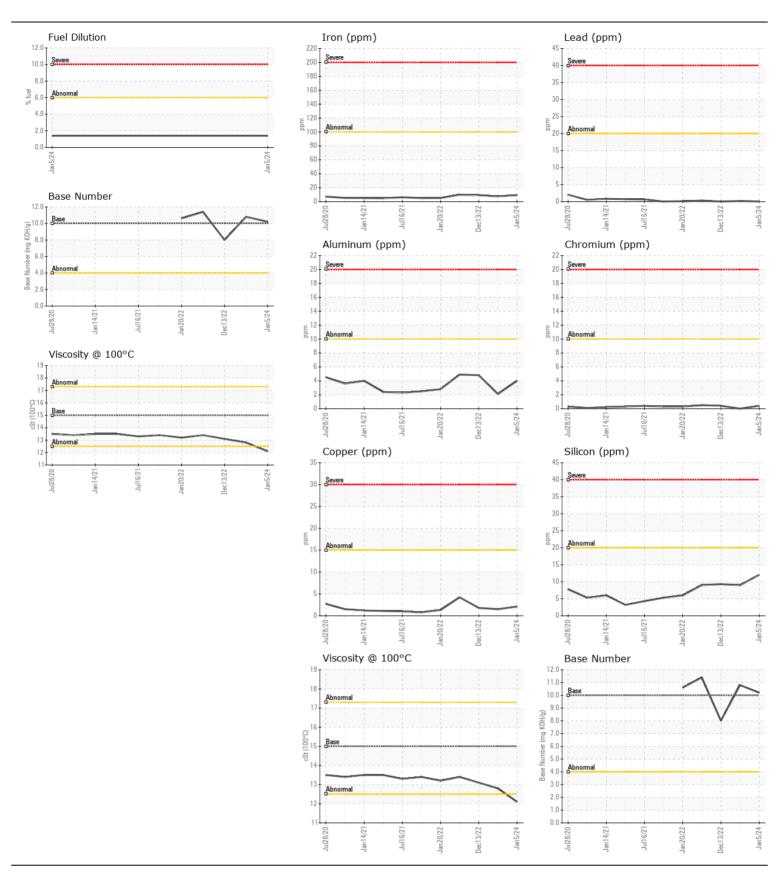
NORMAL NORMAL



[24745]
Machine Id
VOLVO EC300E 311876

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		VCP440962	VCP416524	VCP38829
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Date		Client Info		05 Jan 2024	20 Jun 2023	13 Dec 202
	Machine Age	hrs	Client Info		6600	6086	5659
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
VEAR	Iron	ppm	ASTM D5185m	>100	9	7	9
	Chromium	ppm	ASTM D5185m		<1	0	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	<1	0
	Titanium	ppm	ASTM D5185m	710	0	<1	<1
	Silver	ppm	ASTM D5185m	>2	0	0	1
	Aluminum	ppm	ASTM D5185m		4	2	5
	Lead	ppm	ASTM D5185m		0	<1	0
	Copper	ppm	ASTM D5185m		2	2	2
	Tin	ppm	ASTM D5185m		- <1	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Ciliaan		ACTM DE10Em	. 00	40	0	0
	Silicon Potassium	ppm	ASTM D5185m ASTM D5185m		12 <1	9	9
Fuel content negligible. No other contaminants were detected in the oil.	Fuel	ppm %	ASTM D3163111		1.4	<1.0	<1.0
	Water	70	WC Method		NEG	NEG	NEG
	Glycol		WC Method	>0.1	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	. 2	0.2	0.1	0.5
	Nitration	Abs/cm	*ASTM D7624	>20	7.0	6.8	12.7
	Sulfation	Abs/.1mm	*ASTM D7024		22.0	22.3	22.9
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.1	NEG	NEG	NEG
THE CONDITION							
LUID CONDITION	Sodium	ppm	ASTM D5185m	0.5	2	0	0
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		45	61	41
oil. Confirm oil type.	Barium	ppm	ASTM D5185m		0	0	<1
	Molybdenum	ppm	ASTM D5185m		50	45	43
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		536	496	503
	Calcium	ppm	ASTM D5185m		1679	1715	1787
	Phosphorus	ppm	ASTM D5185m		957	941	935
	Zinc	ppm	ASTM D5185m		1152	1101	1118
	Sulfur	ppm	ASTM D5185m		2993	3097	3371
	Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414		20.6	20.7	20.6
	dase number (BN)	ilig NUH/g	49 LIVI D5896	10	10.2	10.8	8.0







Certificate L2367

Laboratory Sample No. **Lab Number Unique Number**

: VCP440962 : 06065463 : 10836845

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 19 Jan 2024 Diagnosed

: 23 Jan 2024 Diagnostician : Sean Felton

Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel, TBN)

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.

Contact: STEPHANI BRITTON sbritton@saiia.com;doug.bogart@wearcheck.com T: (205)943-2268

SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD

BIRMINGHAM, AL

US 35207

F: (205)943-2269 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: SAIBIR [WUSCAR] 06065463 (Generated: 01/23/2024 12:01:00) Rev: 1