WEAR CONTAMINATION FLUID CONDITION

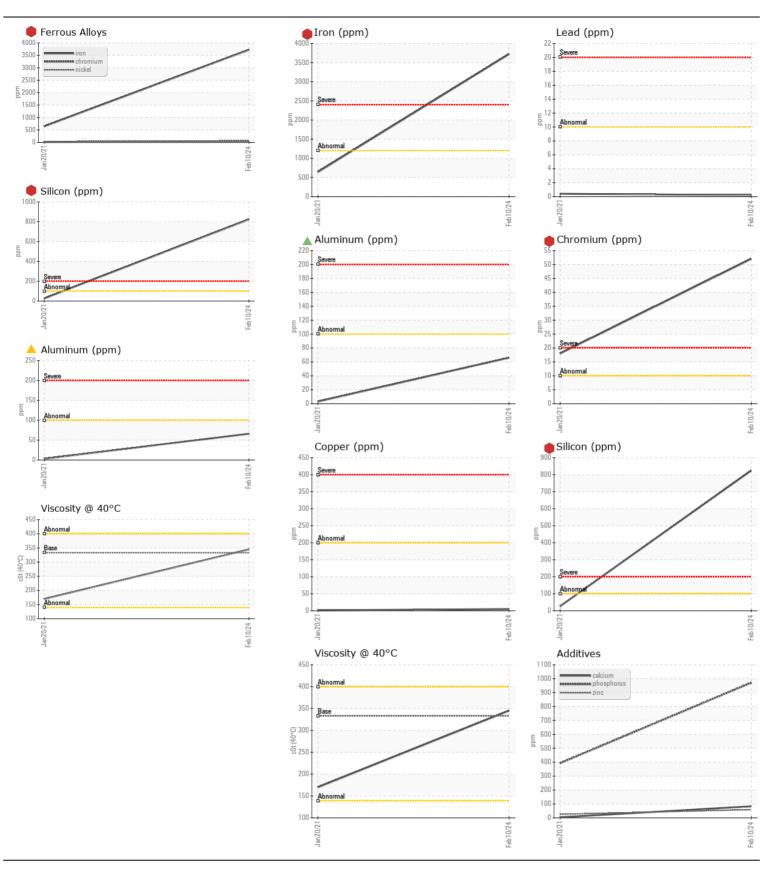
SEVERE SEVERE NORMAL



[SPM646635-00]
Machine Id
VOLVO EC350EL 314018

Component Rear Right Final Drive

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.	Sample Number		Client Info		VCP421337	VCP299506	
	Sample Date		Client Info		10 Feb 2024	20 Jan 2021	
	Machine Age	hrs	Client Info		4219	1299	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		N/A	Changed	
	Filter Changed		Client Info		N/A	N/A	
	Sample Status				SEVERE	ABNORMAL	
VEAR	Iron	ppm	ASTM D5185m	>1200	3721	<u></u> 640	
	Chromium	ppm	ASTM D5185m		52	18	
Gear wear is indicated. Moderate concentration of visible metal present.	Nickel	ppm	ASTM D5185m		4	<1	
	Titanium	ppm	ASTM D5185m		6	<1	
	Silver	ppm	ASTM D5185m		0	2	
	Aluminum	ppm	ASTM D5185m	>100	▲ 66	3	
	Lead	ppm	ASTM D5185m		<1	<1	
	Copper	ppm	ASTM D5185m	>200	5	1	
	Tin	ppm	ASTM D5185m	>10	<1	<1	
	Vanadium	ppm	ASTM D5185m		<1	0	
	White Metal	scalar	*Visual	NONE	▲ MODER	MODER	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	nnm	ASTM D5185m	. 100	824	26	
Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress.	Potassium	ppm	ASTM D5185m		3	<1	
	Water	ppiii	WC Method		NEG	NEG	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
LUID CONDITION	Sodium	nnm	ASTM D5185m		1	3	
	Boron	ppm	ASTM D5185m	111	127	8	
The oil is no longer serviceable due to the presence of contaminants.	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		10	2	
	Manganese	ppm	ASTM D5185m		28	8	
	Magnesium	ppm	ASTM D5185m		24	2	
	Calcium	ppm	ASTM D5185m		83	4	
	Phosphorus	ppm	ASTM D5185m		971	393	
	Zinc	ppm	ASTM D5185m		59	25	
	Sulfur	ppm	ASTM D5185m	20179	34791	12389	
			ASTM D445				





Certificate L2367

Laboratory Sample No.

: VCP421337 Lab Number : 06088371 Unique Number: 10875816 Test Package : MOBCE

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 13 Feb 2024

: 14 Feb 2024 **Tested** : 15 Feb 2024 - Sean Felton Diagnosed

8418 PALM RIVER ROAD

TAMPA, FL US 33619 Contact: KENNY HANEY

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ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC

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.

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