WEAR CONTAMINATION **FLUID CONDITION**

SEVERE SEVERE NORMAL

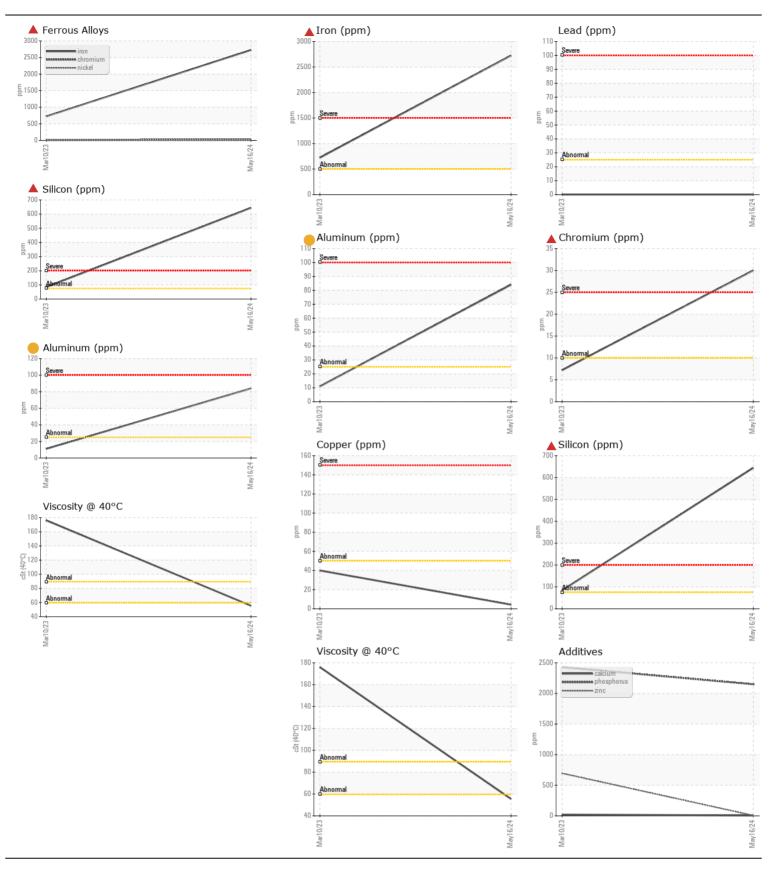


[25641]

VOLVO EC350E 314526

Rear Left Final Drive

VOLVO SUPER GEAR OIL 75W-80-GO102 (GAL)							
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		VCP451077	VCP404396	
	Sample Date		Client Info		16 May 2024	10 Mar 2023	
	Machine Age	hrs	Client Info		2086	400	
	Oil Age	hrs	Client Info		0	500	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		N/A	Changed	
	Filter Changed		Client Info		Changed	N/A	
	Sample Status				SEVERE	ABNORMAL	
WEAR	Iron	ppm	ASTM D5185m	>500	2725	▲ 723	
Gear wear is indicated.	Chromium	ppm	ASTM D5185m	>10	▲ 30	7	
	Nickel	ppm	ASTM D5185m	>10	2	4	
	Titanium	ppm	ASTM D5185m		10	<1	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>25	8 4	11	
	Lead	ppm	ASTM D5185m	>25	0	0	
	Copper	ppm	ASTM D5185m	>50	4	40	
	Tin	ppm	ASTM D5185m	>10	0	0	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	MODER	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon		ACTM DE10Em	. 75	A 644	A 0.4	
	Potassium	ppm	ASTM D5185m ASTM D5185m		▲ 644 3	▲ 84 4	
Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress.	Water	ppm	WC Method	>0.2	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		*Visual	>0.2	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		1	12	
The oil is no longer serviceable due to the presence of contaminants.	Boron	ppm	ASTM D5185m		174	62	
	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		4	45	
	Manganese	ppm	ASTM D5185m		17	11	
	Magnesium	ppm	ASTM D5185m		2	11	
	Calcium	ppm	ASTM D5185m		7	21	
	Phosphorus	ppm	ASTM D5185m		2149	2428	
	Zinc	ppm	ASTM D5185m		6	695	
	Sulfur	ppm	ASTM D5185m		36025	25056	
	Visc @ 40°C	cSt	ASTM D445		55.5	176	





Certificate L2367

Laboratory Sample No.

: VCP451077 Lab Number : 06186555 Unique Number : 11043307 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 May 2024 **Tested** : 22 May 2024

: 23 May 2024 - Don Baldridge Diagnosed

218 - ASCENDUM MACHINERY INC - N. CHARLESTON 7235 CROSS COUNTRY RD. NORTH CHARLESTON, SC

US 29418

Contact: MATT MITCHAM

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. matt.mitcham@ascendummachinery.com T:

Contact/Location: MATT MITCHAM - VOLVO3387

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

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