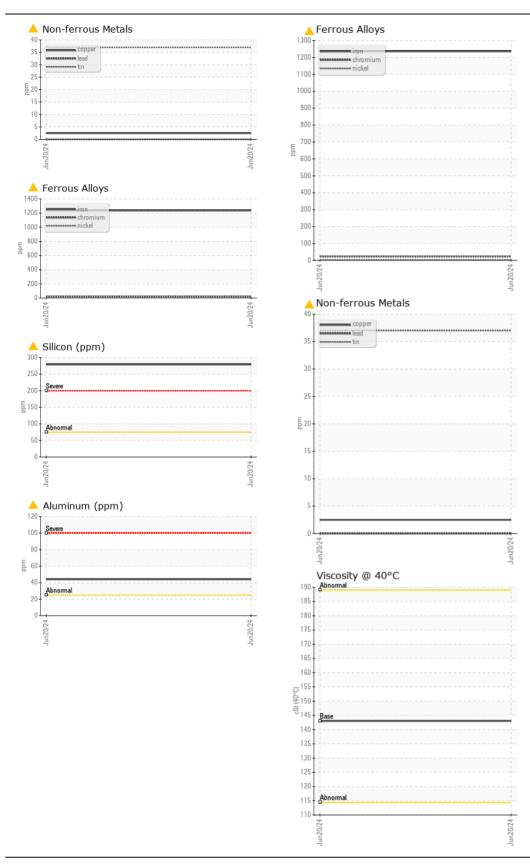
WEAR CONTAMINATION **FLUID CONDITION** **ABNORMAL ABNORMAL NORMAL**

[LITTLE UTILITIES] **VOLVO EC140 314312**

Left Final Drive

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.	Sample Number		Client Info		ML0002959		
	Sample Date		Client Info		20 Jun 2024		
	Machine Age	hrs	Client Info		3121		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		N/A		
	Sample Status				ABNORMAL		
VEAR	Iron	nnm	ASTM D5185m	<u> 500</u>	<u> </u>		
Gear wear is indicated.	Iron Chromium	ppm	ASTM D5185m		▲ 23		
	Nickel	ppm	ASTM D5185m		4		
	Titanium		ASTM D5185m	>10	6		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>25	∆ 44		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		2		
	Tin	ppm	ASTM D5185m	>10	_ ▲ 37		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
ONTARION TON							
CONTAMINATION Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress.	Silicon	ppm	ASTM D5185m		<u> </u>		
	Potassium	ppm	ASTM D5185m		8		
	Water		WC Method	>0.2	NEG		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
LUID CONDITION	Sodium	ppm	ASTM D5185m	>170	11		
The condition of the oil is acceptable for the time in service. The oil is no longer serviceable due to the presence of contaminants.	Boron	ppm	ASTM D5185m	400	6		
	Barium	ppm	ASTM D5185m	200	3		
	Molybdenum	ppm	ASTM D5185m	12	1		
	Manganese	ppm	ASTM D5185m		20		
	Magnesium	ppm	ASTM D5185m	12	2		
	Calcium	ppm	ASTM D5185m	150	43		
	Phosphorus	ppm	ASTM D5185m	1650	582		
	Zinc	ppm	ASTM D5185m	125	63		
	Sulfur	ppm	ASTM D5185m	22500	22045		





Certificate L2367

Laboratory Sample No.

: ML0002959 Lab Number : 06220455 Unique Number : 11098652

Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Jun 2024 **Tested**

: 26 Jun 2024 Diagnosed : 27 Jun 2024 - Angela Borella

MCCLUNG-LOGAN EQUIPMENT CO - CHESAPEAKE 4112 HOLLAND BLVD CHESAPEAKE, VA

US 23323 Contact: TOMMY GRIFFIN tgriffin@mcclung-logan.com

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) F: (757)485-3415 Contact/Location: TOMMY GRIFFIN - VOLVO0264

T: (757)485-3314