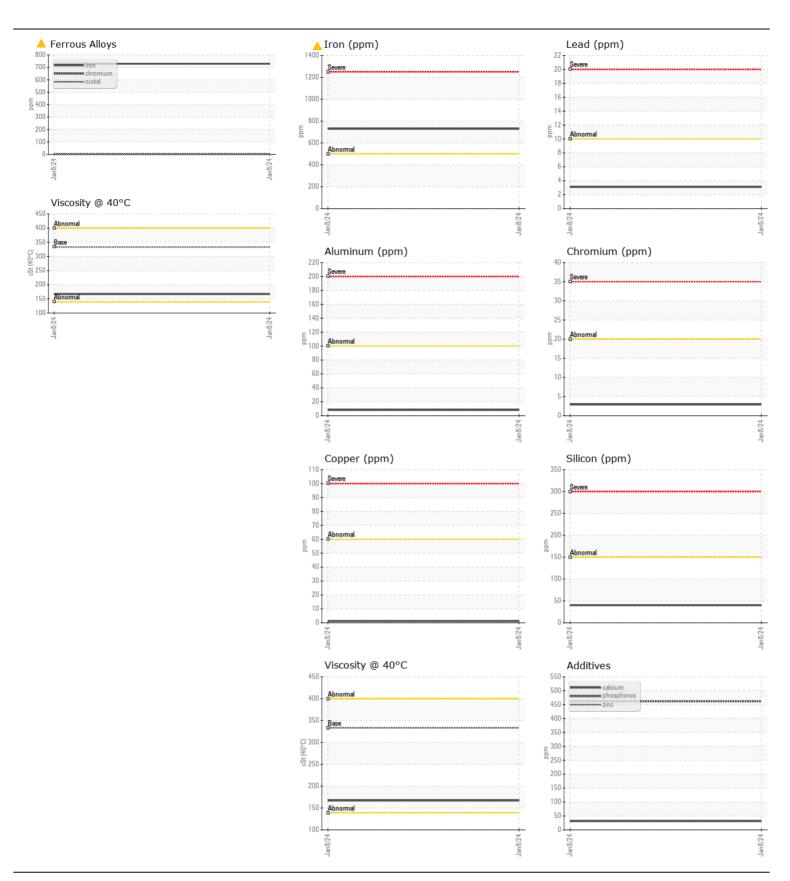
**WEAR CONTAMINATION FLUID CONDITION** 

**ABNORMAL NORMAL NORMAL** 

## Ascendum Machinery/250 Hour CSA HITACHI ZX650LC-3 1767 (S/N 20066)

Right Travel

VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (-	GAL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number		Client Info		ASC0001754		
	Sample Date		Client Info		08 Jan 2024		
	Machine Age	hrs	Client Info		12252		
	Oil Age	hrs	Client Info		12252		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		None		
	Sample Status				ABNORMAL		
WEAR	Iron	ppm	ASTM D5185m	>500	<b>▲</b> 729		
Gear wear is indicated.	Chromium	ppm	ASTM D5185m	>20	3		
	Nickel	ppm	ASTM D5185m	>5	<1		
	Titanium	ppm	ASTM D5185m		1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>100	8		
	Lead	ppm	ASTM D5185m	>10	3		
	Copper	ppm	ASTM D5185m		1		
	Tin	ppm	ASTM D5185m	>5	0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	MODER		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>150	40		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	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		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0		
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	111	11		
	Barium	ppm	ASTM D5185m	0.0	7		
	Molybdenum	ppm	ASTM D5185m		<1		
	Manganese	ppm	ASTM D5185m		8		
	Magnesium	ppm	ASTM D5185m		2		
	Calcium	ppm	ASTM D5185m		31		
	Phosphorus	ppm	ASTM D5185m		462		
	Zinc	ppm		104	33		
	Sulfur	ppm	ASTM D5185m		16165		
	Visc @ 40°C	cSt	ASTM D445	333	167		







Certificate L2367

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

: 06059635 : 10831017 Test Package : MOBCE

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 12 Jan 2024 : ASC0001754 Diagnosed : 16 Jan 2024

> : Jonathan Hester Diagnostician

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)

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