

#### [716771 HILLSBOROUGH] Wachine Id VOLVO EW160E 323446

#### Component Drop Box

# VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

## RECOMMENDATION

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.

#### **WEAR**

The copper level is severe.

### CONTAMINATION

There is no indication of any contamination in the oil.

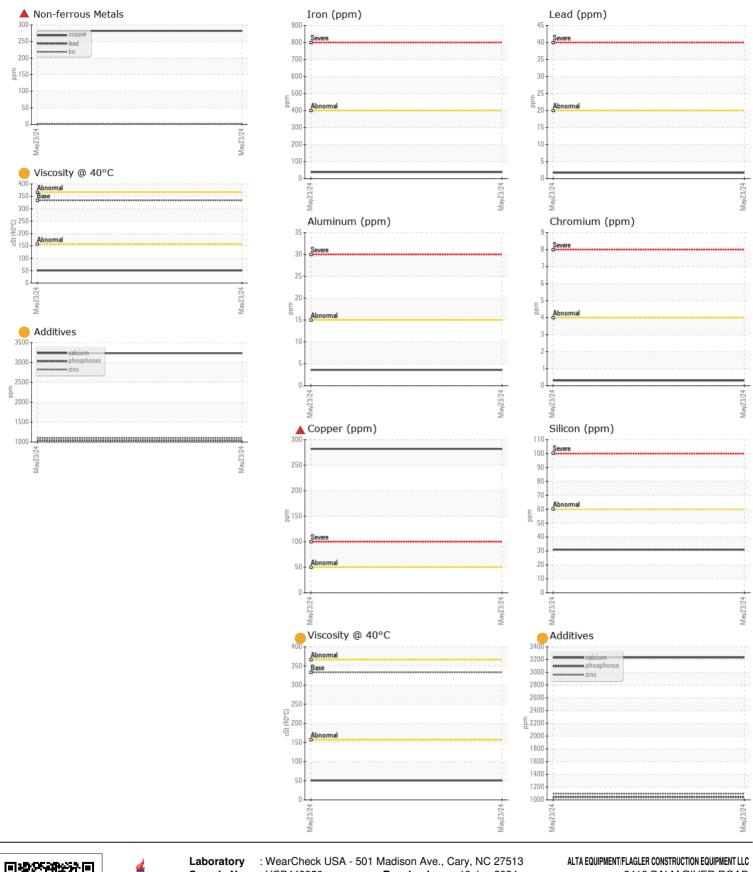
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# FLUID CONDITION

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP449950		
Sample Date		Client Info		23 May 2024		
Machine Age	hrs	Client Info		8720		
Oil Age	hrs	Client Info		2000		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Filter Changed		Client Info		Not Changd		
Sample Status				SEVERE		
Iron	ppm	ASTM D5185m	>400	38		
Chromium	ppm	ASTM D5185m	>4	<1		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>15	4		
Lead	ppm	ASTM D5185m	>20	2		
Copper	ppm	ASTM D5185m	>50	<b>A</b> 282		
Tin	ppm	ASTM D5185m	>3	<1		
Vanadium	ppm	ASTM D5185m		<1		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>60	31		
Potassium	ppm	ASTM D5185m	>20	3		
Water	ppiii	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		
Sodium	ppm	ASTM D5185m		22		
Boron	ppm	ASTM D5185m	111	9		
Barium	ppm	ASTM D5185m	0.0	<1		
Molybdenum	ppm	ASTM D5185m	0.9	0		
			0.0	19		
Manganese	ppm	ASTM D5185m	0.0			
	ppm ppm	ASTM D5185m ASTM D5185m	39	7		
Manganese						
Manganese Magnesium	ppm	ASTM D5185m	39	7		
Manganese Magnesium Calcium	ppm ppm	ASTM D5185m ASTM D5185m	39 93	7 ● 3232		
Manganese Magnesium Calcium Phosphorus	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	39 93 920	7 ● 3232 1042		
Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	39 93 920 104	7 3232 1042 1097		

Contact/Location: JOHN FARDELLA - VOLVO0093



Sample No. Received 8418 PALM RIVER ROAD : VCP449950 : 19 Jun 2024 Lab Number : 06215086 TAMPA, FL Tested : 20 Jun 2024 Unique Number : 11087950 : 21 Jun 2024 - Sean Felton US 33619 Diagnosed Test Package : MOB 1 Contact: JOHN FARDELLA Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. john.fardella@altg.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (813)630-0077 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (813)630-2233

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