WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

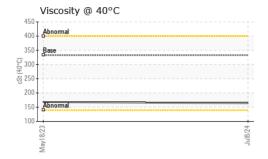
Machine Id

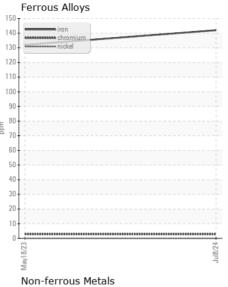
VOLVO EC220E 314841

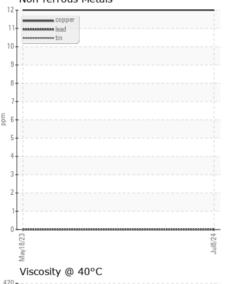
Swing Drive

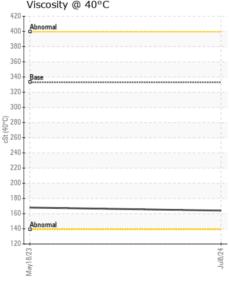
VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		ASC0003318	VCP420157	
	Sample Date		Client Info		08 Jul 2024	18 May 2023	
	Machine Age	hrs	Client Info		0	553	
	Oil Age	hrs	Client Info		1033	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Not Changd	
	Sample Status				NORMAL	NORMAL	
WEAR			ACTA DE10E	1000	140	100	
	Iron	ppm	ASTM D5185m		142	132	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		3	3	
	Nickel	ppm	ASTM D5185m	>10	0	0	
	Titanium	ppm	ASTM D5185m		0	0	
	Silver	ppm	ASTM D5185m	► 2F	0	0	
	Lead	ppm	ASTM D5185m ASTM D5185m		<1 0	0	
	Copper	ppm	ASTM D5185m		12	12	
	Tin	ppm	ASTM D5185m		0	0	
	Vanadium	ppm	ASTM D5185m	>10	0	0	
	White Metal	ppm scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
<u></u>		Scalai	visuai	INOINL	HONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>100	15	15	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	<1	2	
	Water		WC Method	>0.25	NEG	NEG	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	LIGHT	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.25	NEG	NEG	
FLUID CONDITION	Sodium	nnm	ASTM D5185m		3	2	
	Boron	ppm	ASTM D5185m	111	<1	0	
The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		2	0	
	Molybdenum	ppm	ASTM D5185m		0	<1	
	Manganese	ppm	ASTM D5185m		3	4	
	Magnesium	ppm	ASTM D5185m		2	<1	
	Calcium	ppm	ASTM D5185m		17	6	
	Phosphorus	ppm	ASTM D5185m		341	355	
	. Hoophordo	PPIII					
	7inc	nnm	ASTM D5185m	1()4	21	4	
	Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m		21 17526	4 20417	











Certificate L2367

Laboratory

Sample No.

: ASC0003318 Lab Number : 06232612 Unique Number : 11116105 Test Package : CONST

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 Jul 2024

Tested : 11 Jul 2024 Diagnosed

: 12 Jul 2024 - Don Baldridge

US 28712 Contact: DENNY WHITMIRE denny@whitmiregrading.com T: (828)883-3867

WHITMIRE GRADING

BREVARD, NC

F: (828)885-8323

130 BULLDOZER LANE

* - 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)