



Area Ascendum Machinery Machine Id VOLVO EC220E EX-6 (S/N 314304)

Right Travel

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

Visc @ 40°C

cSt

ASTM D445 333

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

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Gear wear is indicated.

CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress.

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

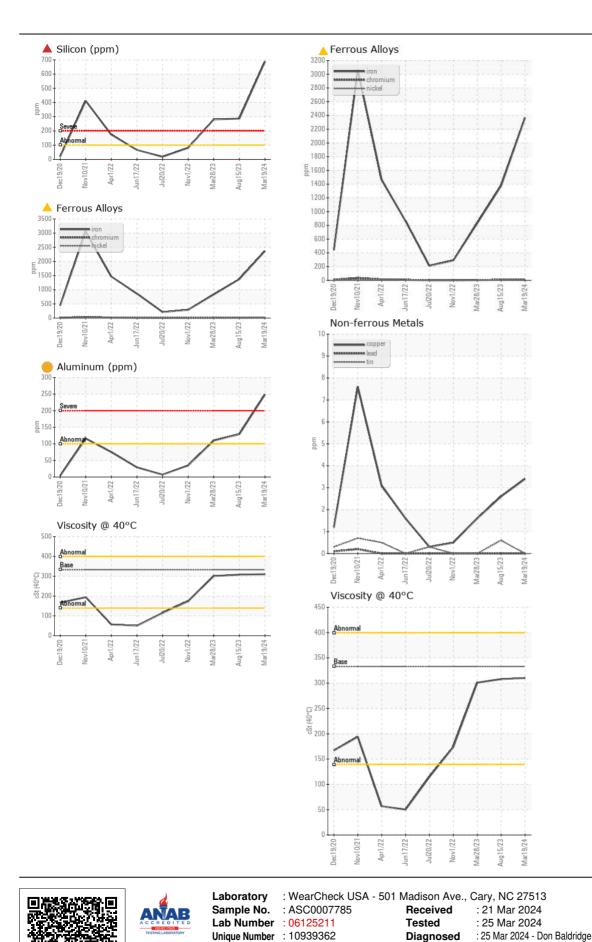
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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0007785	ASC0001068	VCP0006372
Sample Date		Client Info		19 Mar 2024	15 Aug 2023	28 Mar 2023
Machine Age	hrs	Client Info		4992	4492	4024
Oil Age	hrs	Client Info		500	468	472
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	SEVERE	SEVERE
			4000		4070	
Iron	ppm	ASTM D5185m	>1200	A 2367	▲ 1376 ¬	833
Chromium	ppm	ASTM D5185m	>20	11	7	4
Nickel	ppm	ASTM D5185m	>5	7	2	2
Titanium	ppm	ASTM D5185m		16	8	9
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>100	e 249	1 29	110
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>50	3	3	2
Tin	ppm	ASTM D5185m	>5	0	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>100	▲ 689	2 87	2 81
Potassium	ppm	ASTM D5185m	>20	29	12	9
Water		WC Method	>0.25	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
Odor	scalar	*Visual	NORML	NORML	NORML	NORM
Emulsified Water	scalar	*Visual	>0.25	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		23	3	3
Boron	ppm	ASTM D5185m	111	201	236	178
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0.9	1	<1	1
Manganese	ppm	ASTM D5185m	0.0	16	10	7
Magnesium	ppm	ASTM D5185m	39	21	7	5
Calcium	ppm	ASTM D5185m	93	40	15	11
Phosphorus	ppm	ASTM D5185m	920	1007	1131	919
Zinc	ppm	ASTM D5185m	104	6	0	0
Sulfur	ppm	ASTM D5185m	20179	29148	34327	25056
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Submitted By: CLAYTON SMITH

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CAROLINA EXCAVATING 1036 BRANCHVIEW DR, SUITE 106 CONCORD, NC US 28025 Contact: KEVIN LADGERWOOD kevin@carlinaexcavation.com T: GM 106:2012) F:

* - 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)

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

Test Package : CONST

Certificate L2367

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