WEAR
CONTAMINATION
FLUID CONDITION

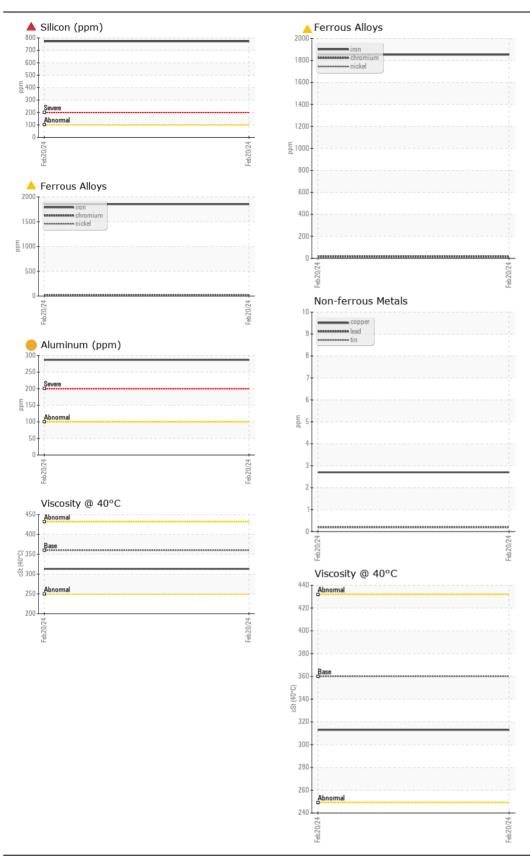
ABNORMAL SEVERE NORMAL



Ascendum Machinery/500 Hour CSA Wachine Id VOLVO EC160EL 1836 (S/N 310219)

Right Travel

GEAR OIL SAE 90W140 ( GA	L)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.	Sample Number		Client Info		ASC0007363		
	Sample Date		Client Info		20 Feb 2024		
	Machine Age	hrs	Client Info		4444		
	Oil Age	hrs	Client Info		4444		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		None		
	Sample Status				SEVERE		
WEAR	Iron	ppm	ASTM D5185m	>1200	<u></u> 1853		
Gear wear is indicated.	Chromium	ppm	ASTM D5185m		<u>^</u> 20		
	Nickel	ppm	ASTM D5185m		1		
	Titanium	ppm	ASTM D5185m		23		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>100	<u>287</u>		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m	>50	3		
	Tin	ppm	ASTM D5185m	>5	<1		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION							
CONTAMINATION	Silicon	ppm	ASTM D5185m		<b>▲</b> 772		
Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress.	Potassium	ppm	ASTM D5185m		17 NEO		
	Water		WC Method	>0.25	NEG		
	Debris	scalar	*Visual *Visual	NONE	NONE NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water			>0.25	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		27		
The oil is no longer serviceable due to the presence of contaminants.	Boron	ppm	ASTM D5185m	400	131		
	Barium	ppm	ASTM D5185m	200	0		
	Molybdenum	ppm	ASTM D5185m	12	<1		
	Manganese	ppm	ASTM D5185m		16		
	Magnesium	ppm	ASTM D5185m		35		
	Calcium	ppm	ASTM D5185m		94		
	Phosphorus	ppm	ASTM D5185m		943		
	Zinc	ppm	ASTM D5185m		26		
	Sulfur	ppm	ASTM D5185m		26336		
	Visc @ 40°C	cSt	ASTM D445	360	313		







Certificate L2367

Laboratory Sample No.

: ASC0007363 Lab Number : 06102086 Unique Number: 10900316 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 : 27 Feb 2024 **Tested** : 28 Feb 2024 Diagnosed

: 29 Feb 2024 - Jonathan Hester

TRIANGLE GRADING AND PAVING INC

1521 Huffman Mill Rd BURLINGTON, NC US 27216

Contact: ADAM CORBETT

F: (336)584-0145

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\* - 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)