



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Blythe & Zachary JV CSA - I85 SC
Machine Id
VOLVO ECR88D 3005197 (S/N ECR88D214489)
Component
Right Travel
Fluid
VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0003151	VCP308030	VCP264061
Sample Date		Client Info		15 Jul 2024	03 May 2021	24 Jun 2020
Machine Age	hrs	Client Info		2477	1493	500
Oil Age	hrs	Client Info		1484	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	Not Chngd	Changed
Filter Changed		Client Info		N/A	Not Chngd	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>1200	175	▲ 565	383
Chromium	ppm	ASTM D5185m	>20	4	▲ 11	6
Nickel	ppm	ASTM D5185m	>5	<1	2	<1
Titanium	ppm	ASTM D5185m		<1	1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>100	2	4	2
Lead	ppm	ASTM D5185m	>50	0	2	<1
Copper	ppm	ASTM D5185m	>50	<1	2	<1
Tin	ppm	ASTM D5185m	>5	0	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

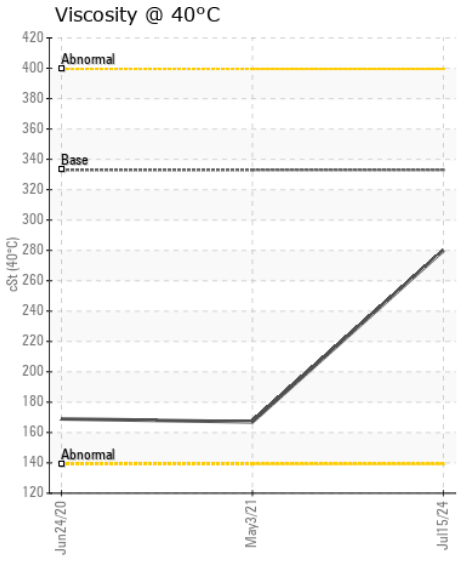
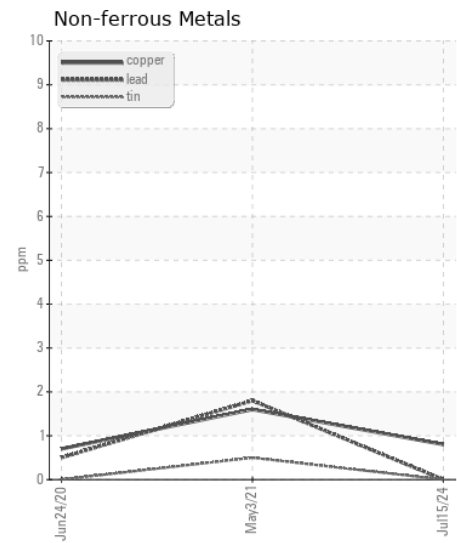
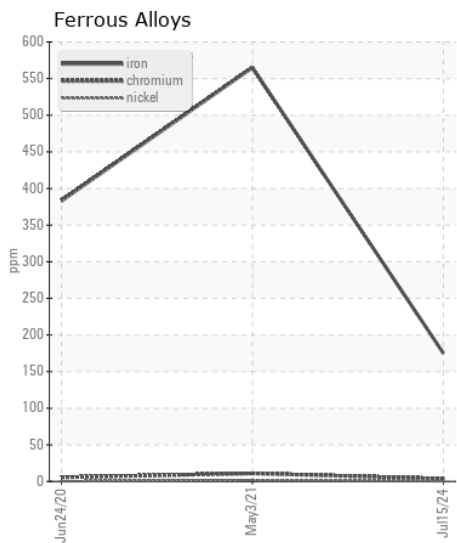
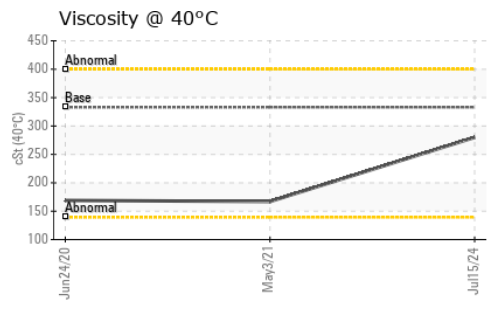
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>100	6	6	1
Potassium	ppm	ASTM D5185m	>20	4	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	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.25	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	7	5
Boron	ppm	ASTM D5185m	111	113	11	2
Barium	ppm	ASTM D5185m	0.0	0	<1	4
Molybdenum	ppm	ASTM D5185m	0.9	<1	2	0
Manganese	ppm	ASTM D5185m	0.0	1	4	3
Magnesium	ppm	ASTM D5185m	39	1	4	0
Calcium	ppm	ASTM D5185m	93	55	8	5
Phosphorus	ppm	ASTM D5185m	920	868	422	386
Zinc	ppm	ASTM D5185m	104	52	54	29
Sulfur	ppm	ASTM D5185m	20179	27141	13143	9957
Visc @ 40°C	cSt	ASTM D445	333	280	167	169



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0003151 **Received** : 16 Jul 2024
Lab Number : 06238228 **Tested** : 17 Jul 2024
Unique Number : 11127062 **Diagnosed** : 17 Jul 2024 - Wes Davis
Test Package : CONST

BLYTHE CONSTRUCTION INC
 2911 N GRAHAM STREET
 CHARLOTTE, NC
 US 28231
 Contact: Service Manager

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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