



Area
(11107337) Ascendum Machinery
 Machine Id
VOLVO EC750E 391029
 Component
Right Travel
 Fluid
VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The oil viscosity is lower than normal. Confirm oil type.

SAMPLE INFORMATION method limit/base current history1 history2

Sample Number	Client Info	ASC0005382	---	---
Sample Date	Client Info	16 Oct 2023	---	---
Machine Age	hrs	Client Info	487	---
Oil Age	hrs	Client Info	487	---
Oil Changed	Client Info	Changed	---	---
Sample Status		NORMAL	---	---

WEAR METALS method limit/base current history1 history2

Iron	ppm	ASTM D5185m	>1200	36	---	---
Chromium	ppm	ASTM D5185m	>20	<1	---	---
Nickel	ppm	ASTM D5185m	>5	<1	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		2	---	---
Aluminum	ppm	ASTM D5185m	>100	<1	---	---
Lead	ppm	ASTM D5185m	>50	<1	---	---
Copper	ppm	ASTM D5185m	>50	1	---	---
Tin	ppm	ASTM D5185m	>5	<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
Cadmium	ppm	ASTM D5185m		<1	---	---

ADDITIVES method limit/base current history1 history2

Boron	ppm	ASTM D5185m	111	0	---	---
Barium	ppm	ASTM D5185m	0.0	15	---	---
Molybdenum	ppm	ASTM D5185m	0.9	0	---	---
Manganese	ppm	ASTM D5185m	0.0	2	---	---
Magnesium	ppm	ASTM D5185m	39	0	---	---
Calcium	ppm	ASTM D5185m	93	9	---	---
Phosphorus	ppm	ASTM D5185m	920	316	---	---
Zinc	ppm	ASTM D5185m	104	2	---	---
Sulfur	ppm	ASTM D5185m	20179	15557	---	---

CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	>100	5	---	---
Sodium	ppm	ASTM D5185m		2	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---

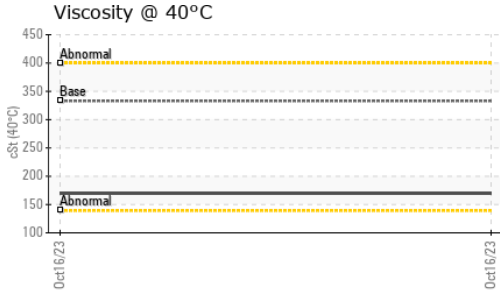
VISUAL method limit/base current history1 history2

White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
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	>0.25	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES method limit/base current history1 history2

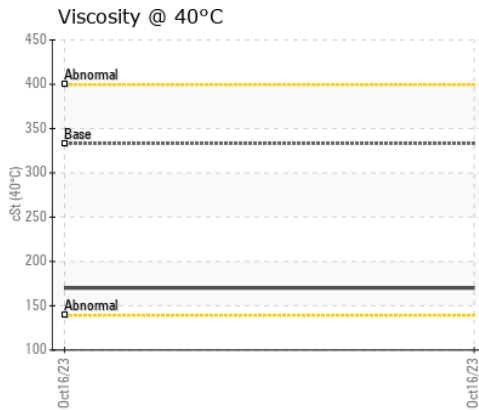
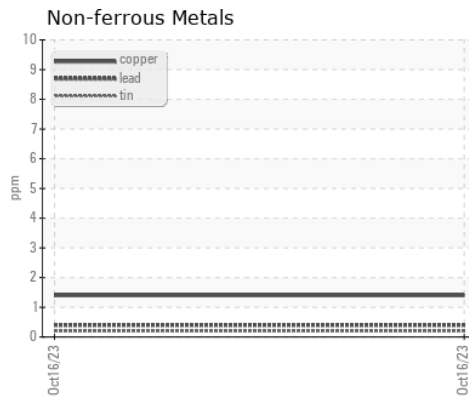
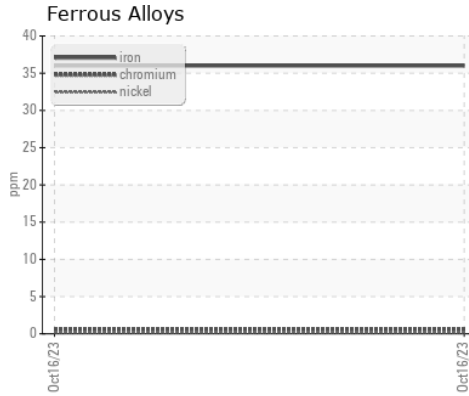
Visc @ 40°C	cSt	ASTM D445	333	170	---	---
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OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0005382
Lab Number : 05981504
Unique Number : 10698799
Test Package : CONST

TRIFECTA SERVICES COMPANY
 1722 TOAL STREET
 CHARLOTTE, NC
 US 28206
 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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F: