



Machine Id
VOLVO EC350E 314478
 Component
Left Travel
 Fluid
GEAR OIL SAE 80W140 (--- GAL)

DIAGNOSIS

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. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		ASC0003350	---	---
Sample Date	Client Info		24 Jun 2024	---	---
Machine Age	hrs	Client Info	2007	---	---
Oil Age	hrs	Client Info	2007	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			ABNORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.25	NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >1200	419	---	---
Chromium	ppm	ASTM D5185m >20	12	---	---
Nickel	ppm	ASTM D5185m >5	1	---	---
Titanium	ppm	ASTM D5185m	2	---	---
Silver	ppm	ASTM D5185m	<1	---	---
Aluminum	ppm	ASTM D5185m >100	27	---	---
Lead	ppm	ASTM D5185m >50	<1	---	---
Copper	ppm	ASTM D5185m >50	1	---	---
Tin	ppm	ASTM D5185m >5	0	---	---
Vanadium	ppm	ASTM D5185m	<1	---	---
Cadmium	ppm	ASTM D5185m	<1	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	124	---	---
Barium	ppm	ASTM D5185m 200	0	---	---
Molybdenum	ppm	ASTM D5185m 12	3	---	---
Manganese	ppm	ASTM D5185m	5	---	---
Magnesium	ppm	ASTM D5185m 12	26	---	---
Calcium	ppm	ASTM D5185m 150	18	---	---
Phosphorus	ppm	ASTM D5185m 1650	944	---	---
Zinc	ppm	ASTM D5185m 125	37	---	---
Sulfur	ppm	ASTM D5185m 22500	26269	---	---

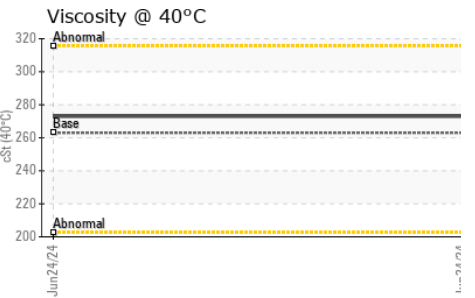
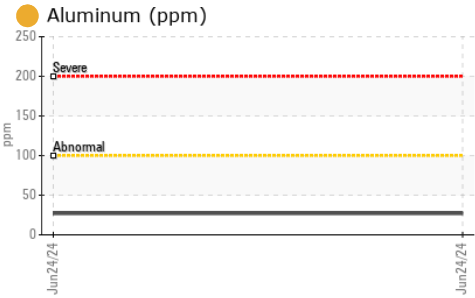
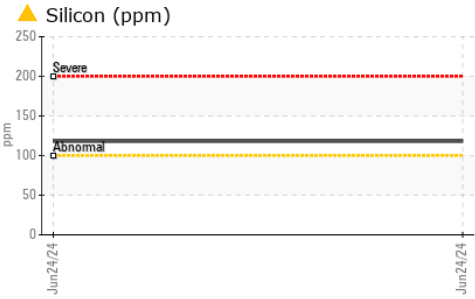
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >100	▲ 118	---	---
Sodium	ppm	ASTM D5185m	7	---	---
Potassium	ppm	ASTM D5185m >20	13	---	---

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	---	---

OIL ANALYSIS REPORT



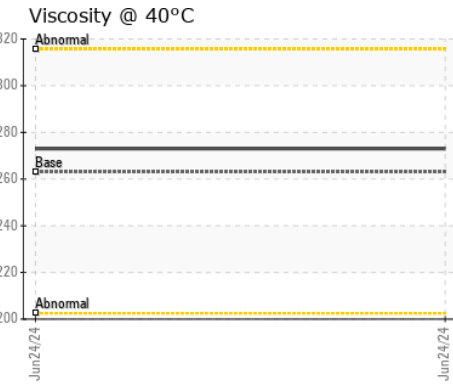
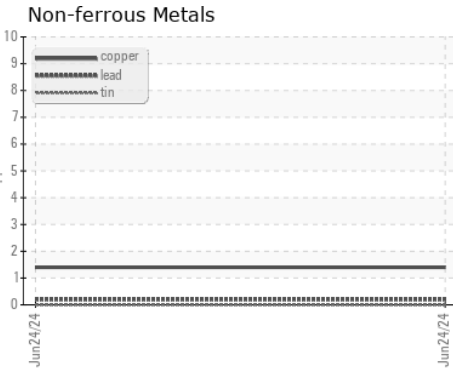
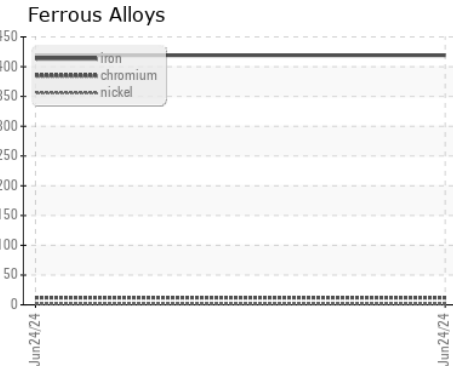
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	263	273	---

SAMPLE IMAGES

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0003350
Lab Number : **06220085**
Unique Number : 11098282
Test Package : CONST
Received : 25 Jun 2024
Tested : 26 Jun 2024
Diagnosed : 27 Jun 2024 - Sean Felton

160 - ASCENDUM MACHINERY INC - MILLS RIVER
 215 FANNING FIELDS RD
 MILLS RIVER, NC
 US 28759
 Contact: Kendall Rhodes
 kendall.rhodes@ascendummachinery.com

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)