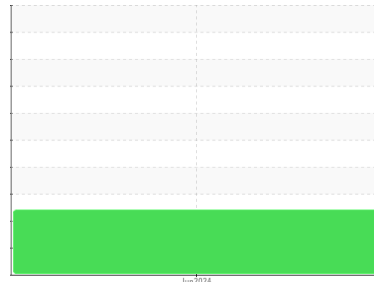




OIL ANALYSIS REPORT

Sample Rating Trend



Area
[W02008364]
 Machine Id
VOLVO A30F 82254
 Component
Rear Axle
 Fluid
GEAR OIL SAE 80W140 (11 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. (Customer Sample Comment: W02008364)

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	ML0002446	---	---
Sample Date	Client Info	06 Jun 2024	---	---
Machine Age	hrs Client Info	13937	---	---
Oil Age	hrs Client Info	2000	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >630	150	---	---
Chromium	ppm ASTM D5185m >15	1	---	---
Nickel	ppm ASTM D5185m >8	1	---	---
Titanium	ppm ASTM D5185m	2	---	---
Silver	ppm ASTM D5185m	0	---	---
Aluminum	ppm ASTM D5185m >10	16	---	---
Lead	ppm ASTM D5185m >4	0	---	---
Copper	ppm ASTM D5185m >50	13	---	---
Tin	ppm ASTM D5185m >4	<1	---	---
Vanadium	ppm ASTM D5185m	0	---	---
Cadmium	ppm ASTM D5185m	<1	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 400	178	---	---
Barium	ppm ASTM D5185m 200	1	---	---
Molybdenum	ppm ASTM D5185m 12	0	---	---
Manganese	ppm ASTM D5185m	3	---	---
Magnesium	ppm ASTM D5185m 12	10	---	---
Calcium	ppm ASTM D5185m 150	49	---	---
Phosphorus	ppm ASTM D5185m 1650	999	---	---
Zinc	ppm ASTM D5185m 125	49	---	---
Sulfur	ppm ASTM D5185m 22500	32526	---	---

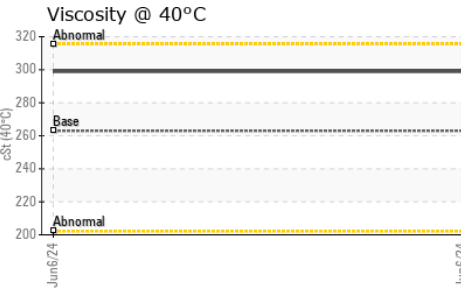
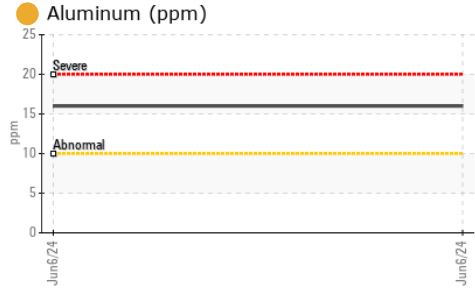
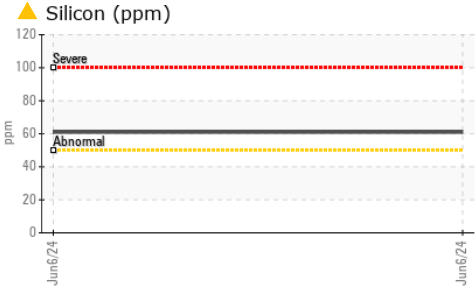
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	61	---	---
Sodium	ppm ASTM D5185m	2	---	---
Potassium	ppm ASTM D5185m >20	5	---	---

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 >0.2	NEG	---	---
Free Water	scalar *Visual	NEG	---	---

OIL ANALYSIS REPORT

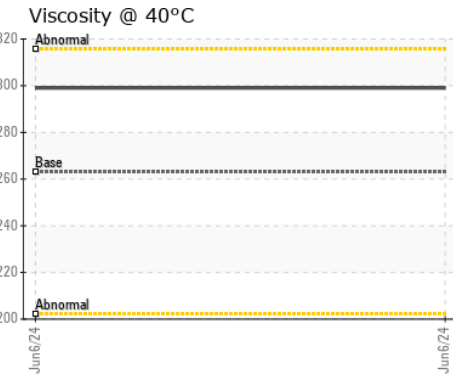
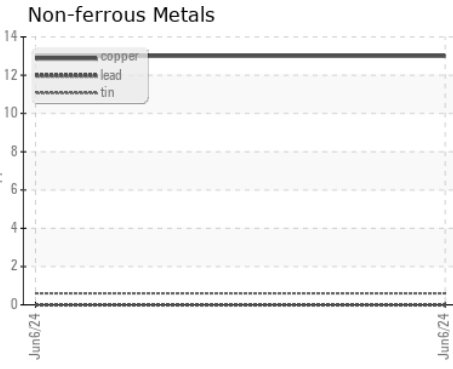
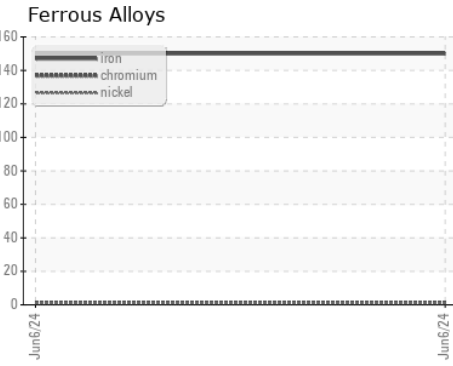


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 263	299	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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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. : ML0002446

Lab Number : **06205114**

Unique Number : 11072575

Test Package : CONST

Received : 10 Jun 2024

Tested : 12 Jun 2024

Diagnosed : 12 Jun 2024 - Angela Borella

WILLIAM HAZEL

PO BOX 600

CHANTILLY, VA

US 20153

Contact: SERVICE MANAGER

jimmy_elswick@wahazel.com

T: (703)378-8300

F:

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)