

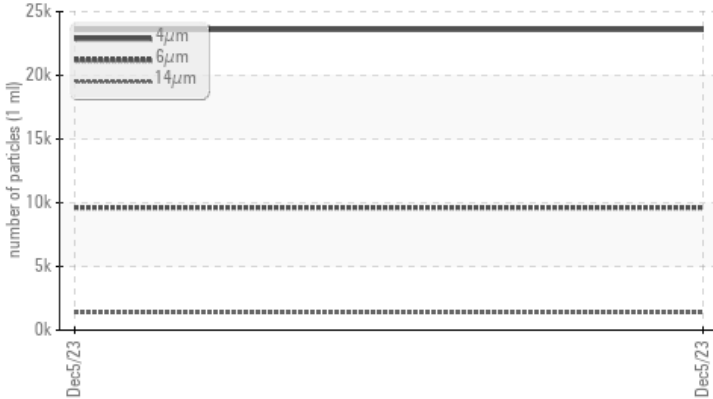


Machine Id
VOLVO L180H 5610
 Component
Main Hydraulic System
 Fluid
VOLVO SUPER HYDRAULIC OIL 46 (--- GAL)



COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	---	---
Particles >6µm	ASTM D7647	>2500	▲ 9616	---	---
Particles >14µm	ASTM D7647	>80	▲ 1371	---	---
Particles >21µm	ASTM D7647	>20	▲ 378	---	---
Particles >38µm	ASTM D7647	>4	▲ 13	---	---
Oil Cleanliness	ISO 4406 (c)	>--/18/13	▲ 22/20/18	---	---

Customer Id: PARRUT
 Sample No.: ASC0003112
 Lab Number: 06027674
 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.

HISTORICAL DIAGNOSIS



Machine Id
VOLVO L180H 5610
 Component
Main Hydraulic System
 Fluid
VOLVO SUPER HYDRAULIC OIL 46 (--- GAL)



DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		ASC0003112	---	---
Sample Date	Client Info		05 Dec 2023	---	---
Machine Age	hrs	Client Info	4013	---	---
Oil Age	hrs	Client Info	3532	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			ABNORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	7	---	---
Chromium	ppm	ASTM D5185m >20	<1	---	---
Nickel	ppm	ASTM D5185m >10	<1	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m >20	<1	---	---
Lead	ppm	ASTM D5185m >20	1	---	---
Copper	ppm	ASTM D5185m >150	4	---	---
Tin	ppm	ASTM D5185m >20	0	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 14	35	---	---
Barium	ppm	ASTM D5185m 0.0	0	---	---
Molybdenum	ppm	ASTM D5185m 0.0	8	---	---
Manganese	ppm	ASTM D5185m 0.0	0	---	---
Magnesium	ppm	ASTM D5185m 2.6	50	---	---
Calcium	ppm	ASTM D5185m 49	175	---	---
Phosphorus	ppm	ASTM D5185m 354	368	---	---
Zinc	ppm	ASTM D5185m 419	455	---	---
Sulfur	ppm	ASTM D5185m 3719	1508	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	8	---	---
Sodium	ppm	ASTM D5185m	0	---	---
Potassium	ppm	ASTM D5185m >20	2	---	---

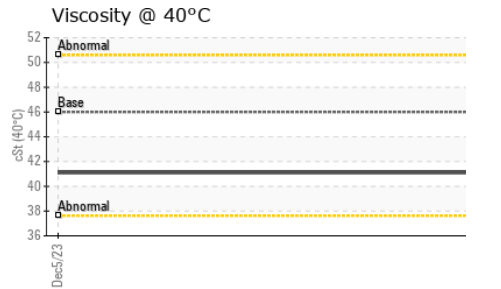
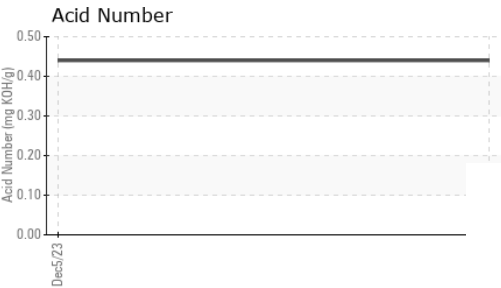
FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		23584	---	---
Particles >6µm	ASTM D7647	>2500	▲ 9616	---	---
Particles >14µm	ASTM D7647	>80	▲ 1371	---	---
Particles >21µm	ASTM D7647	>20	▲ 378	---	---
Particles >38µm	ASTM D7647	>4	▲ 13	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>--/18/13	▲ 22/20/18	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.44	---	---

OIL ANALYSIS REPORT



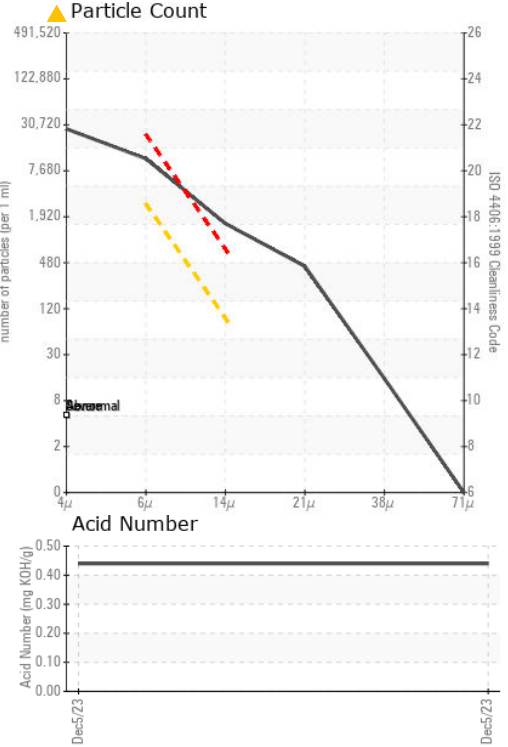
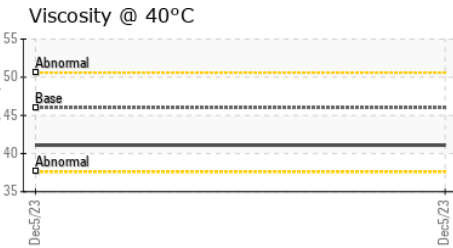
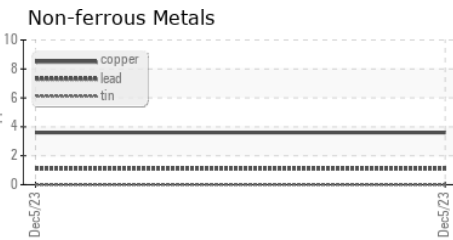
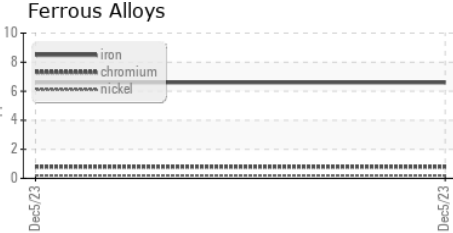
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	41.1	---	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0003112 **Received** : 07 Dec 2023
Lab Number : 06027674 **Diagnosed** : 08 Dec 2023
Unique Number : 10777465 **Diagnostician** : Don Baldrige
Test Package : CONST

PARTON LUMBER CO
 251 PARTON RD
 RUTHERFORDTON, NC
 US 28139
 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)

T:
F: