



# VOLVO

## OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**[8000394672]**  
Machine Id  
**VOLVO L60H 621575**  
Component  
**Hydraulic System**  
Fluid  
**VOLVO SUPER HYDRAULIC OIL 46 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP394220</b>	VCP391759	VCP334462
Sample Date		Client Info		<b>13 Feb 2024</b>	02 Jun 2023	30 Sep 2021
Machine Age	hrs	Client Info		<b>7050</b>	6320	4097
Oil Age	hrs	Client Info		<b>730</b>	2223	4097
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Chngd</b>	Changed	Changed
Filter Changed		Client Info		<b>Not Chngd</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	<b>6</b>	5	3
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>150	<b>2</b>	2	1
Tin	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

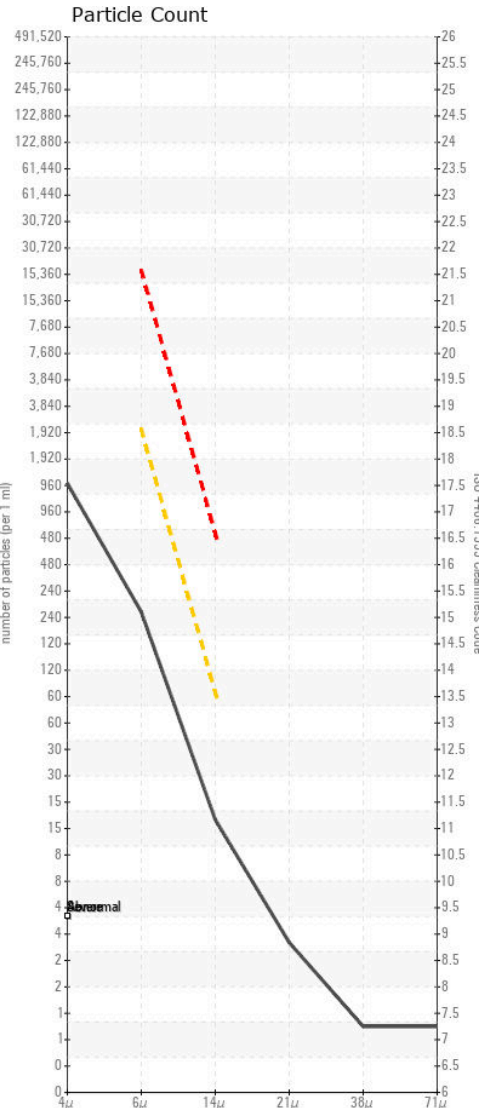
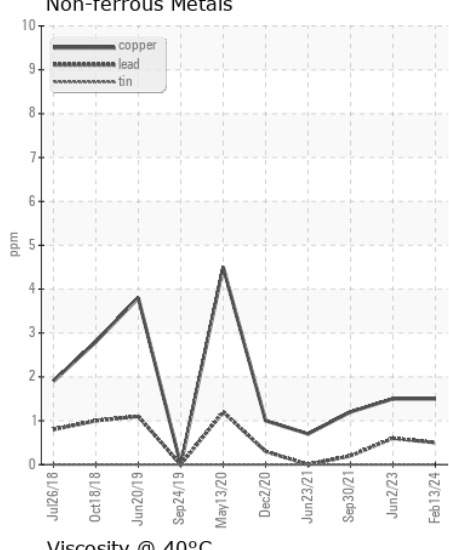
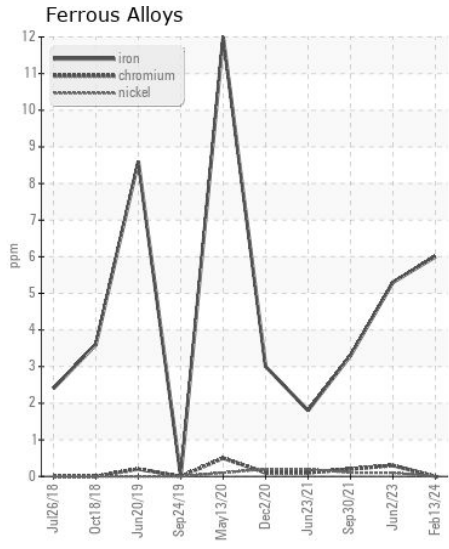
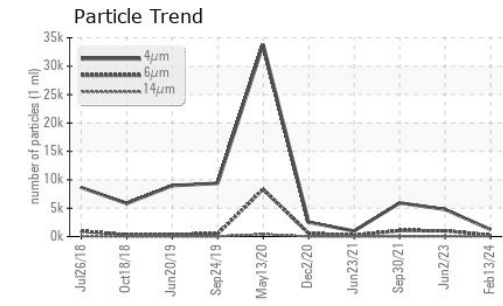
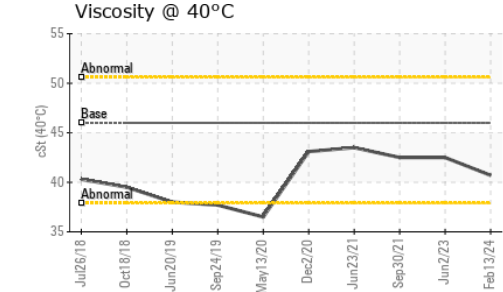
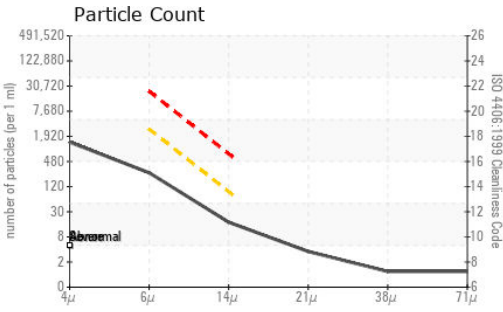
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185(m)	>20	<b>3</b>	2	2
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	1	<1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647		<b>1224</b>	4776	5931
Particles >6µm		ASTM D7647	>2500	<b>227</b>	1013	1045
Particles >14µm		ASTM D7647	>80	<b>15</b>	30	25
Particles >21µm		ASTM D7647	>20	<b>3</b>	5	4
Particles >38µm		ASTM D7647	>4	<b>1</b>	0	0
Particles >71µm		ASTM D7647	>3	<b>1</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>-/18/13	<b>17/15/11</b>	19/17/12	20/17/12
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<b>1</b>	3	2
Boron	ppm	ASTM D5185(m)	14	<b>&lt;1</b>	1	1
Barium	ppm	ASTM D5185(m)	0.0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	0.0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	0.0	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	2.6	<b>&lt;1</b>	<1	<1
Calcium	ppm	ASTM D5185(m)	49	<b>51</b>	54	55
Phosphorus	ppm	ASTM D5185(m)	354	<b>332</b>	361	353
Zinc	ppm	ASTM D5185(m)	419	<b>406</b>	411	427
Sulfur	ppm	ASTM D5185(m)	3719	<b>2034</b>	1911	1975
Visc @ 40°C	cSt	ASTM D7279(m)	46	<b>40.7</b>	42.5	42.5



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : VCP394220  
**Lab Number** : 02616682  
**Unique Number** : 5733792  
**Test Package** : MOB 1 ( Additional Tests: PrtCount )  
**Received** : 20 Feb 2024  
**Tested** : 21 Feb 2024  
**Diagnosed** : 21 Feb 2024 - Wes Davis

**STRONGCO EQUIPMENT INC.**  
 55 ISNOR DRIVE, BURNSIDE INDUSTRIALPARK  
 DARTMOUTH, NS  
 CA B3B 1N6  
 Contact: Lindsay Downs  
 ldowns@strongco.com  
 T: (902)468-5010  
 F: (902)468-2468

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.