



# CONSTRUCTION EQUIPMENT

## 702826 ATLAS VOLVO L70H 623710 - HYDRAULIC SYSTEM



**Sample No:** VCP454745  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 702826 ATLAS



### SAMPLE INFORMATION

Sample Number	<b>VCP454745</b>	VCP437688	VCP440380	VCP425064
Sample Date	<b>23 Apr 2024</b>	22 Jan 2024	12 Oct 2023	29 Jun 2023
Machine Hours	<b>9945</b>	9343	8743	8172
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	N/A	Changed
Sample Status	<b>NORMAL</b>	ABNORMAL	ATTENTION	ABNORMAL

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>45.8</b>	44.9	45.2	44.7
Acid Number (AN)	mg KOH/g	<b>0.47</b>	0.55	0.52	0.51



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Particles >4µm		<b>3032</b>	10657	6527	12140
Particles >6µm		<b>323</b>	814	1052	706
Particles >14µm		<b>24</b>	41	53	25
ISO 4406:1999 (c)		<b>19/16/12</b>	21/17/13	20/17/13	21/17/12
Silicon	ppm	<b>2</b>	2	1	2
Sodium	ppm	<b>&lt;1</b>	1	0	2
Potassium	ppm	<b>0</b>	2	0	1

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

Iron	ppm	<b>2</b>	8	4	10
Copper	ppm	<b>0</b>	<1	<1	1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	2	0	<1
Chromium	ppm	<b>0</b>	<1	0	0
Molybdenum	ppm	<b>4</b>	5	4	5
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	0	0	<1
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>295</b>	305	178	201
Magnesium	ppm	<b>14</b>	27	16	31
Zinc	ppm	<b>464</b>	613	491	508
Phosphorus	ppm	<b>389</b>	532	390	444
Barium	ppm	<b>0</b>	0	0	<1
Boron	ppm	<b>15</b>	19	14	15

**Depot:** VOLVO0096  
**Unique No:** 10996807  
**Signed:** Wes Davis  
**Report Date:** 29 Apr 2024

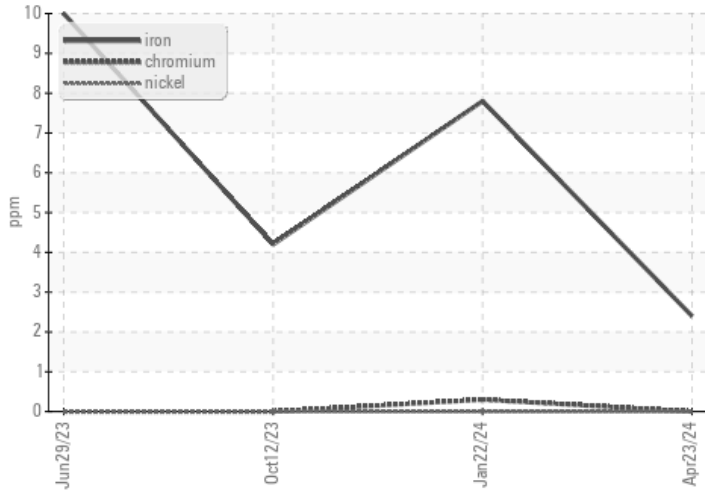


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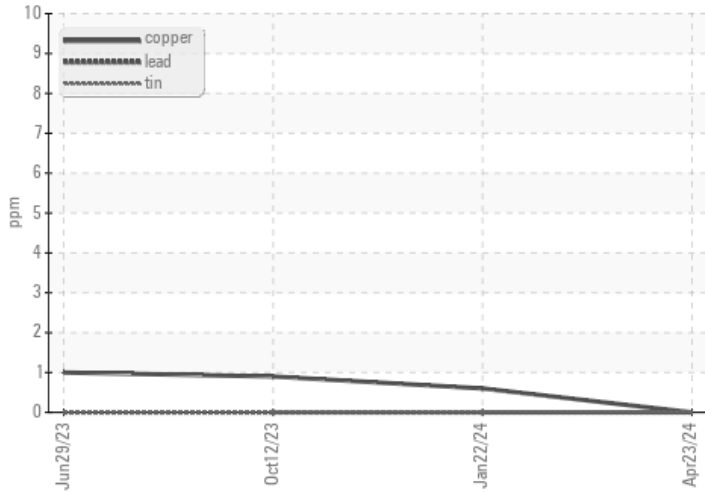


## VOLVO GRAPHS

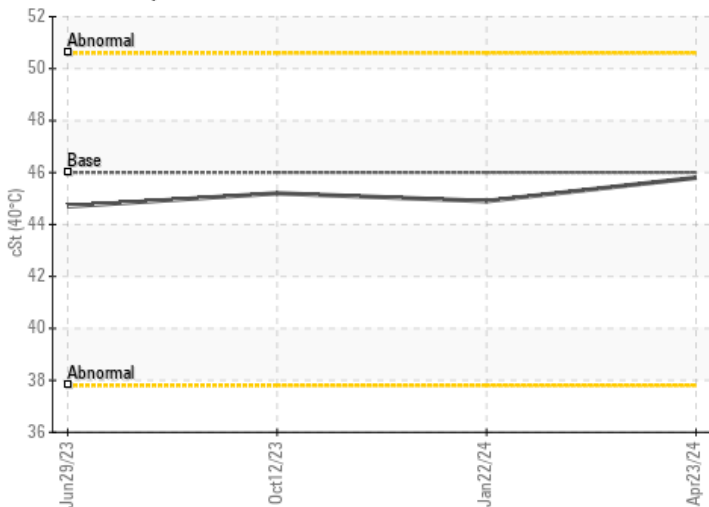
### Ferrous Alloys



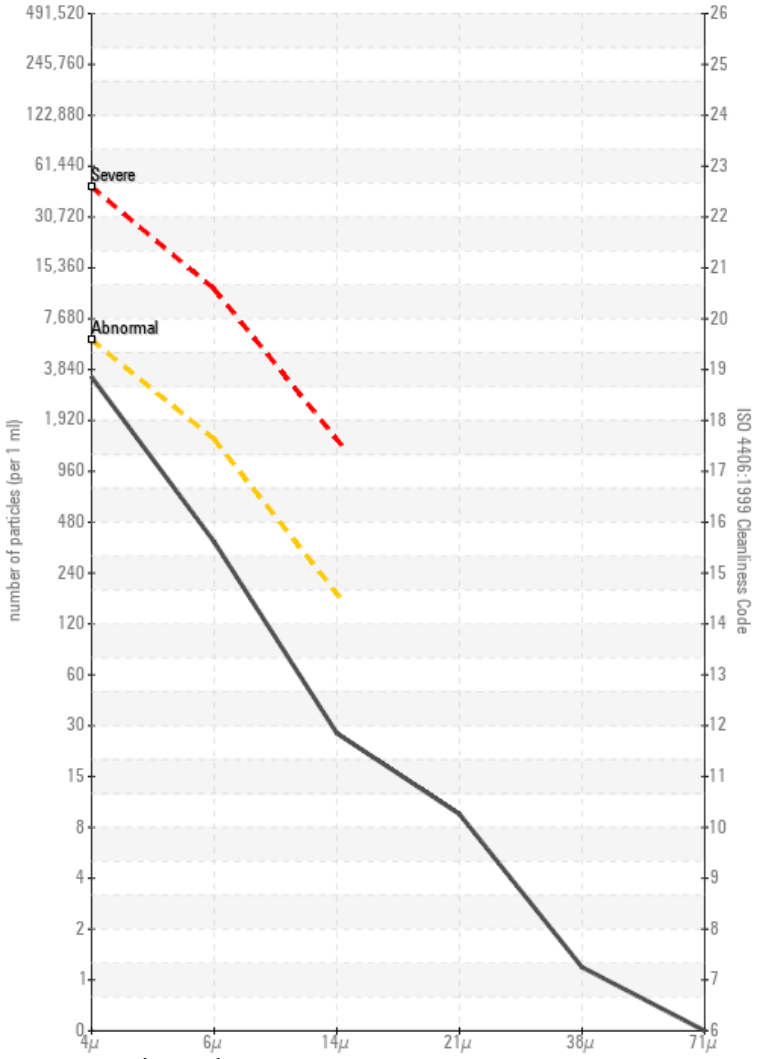
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

