



# CONSTRUCTION EQUIPMENT

## 715763 VOLVO L110G 8426 - HYDRAULIC SYSTEM



**Sample No:** VCP454552  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 715763



### SAMPLE INFORMATION

Sample Number	<b>VCP454552</b>	VCE192829	VCE235805	VCE213637
Sample Date	<b>29 May 2024</b>	14 Jun 2016	16 Dec 2015	02 Jun 2015
Machine Hours	<b>16399</b>	6000	5000	4000
Oil Hours	<b>4000</b>	750	1400	400
Oil Changed	<b>Changed</b>	Not Chngd	Changed	Changed
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	NORMAL

**BLAZE CONSTRUCTION**  
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 F:

### OIL CONDITION

Visc @ 40°C	cSt	<b>40.8</b>	44.75	42.83	44.02
Acid Number (AN)	mg KOH/g	<b>0.32</b>	0.574	0.511	0.613

### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Particles >4µm		<b>76172</b>	162	216	255
Particles >6µm		<b>▲ 25894</b>	88	117	139
Particles >14µm		<b>▲ 1357</b>	15	20	23
ISO 4406:1999 (c)		<b>23/22/18</b>	15/14/11	15/14/11	15/14/12
Silicon	ppm	<b>12</b>	10	10	7
Sodium	ppm	<b>5</b>	<1	<1	<1
Potassium	ppm	<b>3</b>	0	1	6

**Diagnosis**  
 Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

### WEAR METALS

Iron	ppm	<b>6</b>	2	3	1
Copper	ppm	<b>2</b>	1	1	1
Lead	ppm	<b>&lt;1</b>	1	2	<1
Tin	ppm	<b>&lt;1</b>	1	0	0
Aluminum	ppm	<b>2</b>	<1	<1	<1
Chromium	ppm	<b>0</b>	<1	0	<1
Molybdenum	ppm	<b>0</b>	<1	0	0
Nickel	ppm	<b>&lt;1</b>	0	<1	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	0	0	0
Vanadium	ppm	<b>0</b>	<1	0	0

### ADDITIVES

Calcium	ppm	<b>570</b>	84	89	91
Magnesium	ppm	<b>7</b>	<1	2	0
Zinc	ppm	<b>584</b>	443	416	477
Phosphorus	ppm	<b>462</b>	367	342	353
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>1</b>	0	<1	<1

**Depot:** BLADET  
**Unique No:** 11071991  
**Signed:** Angela Borella  
**Report Date:** 12 Jun 2024

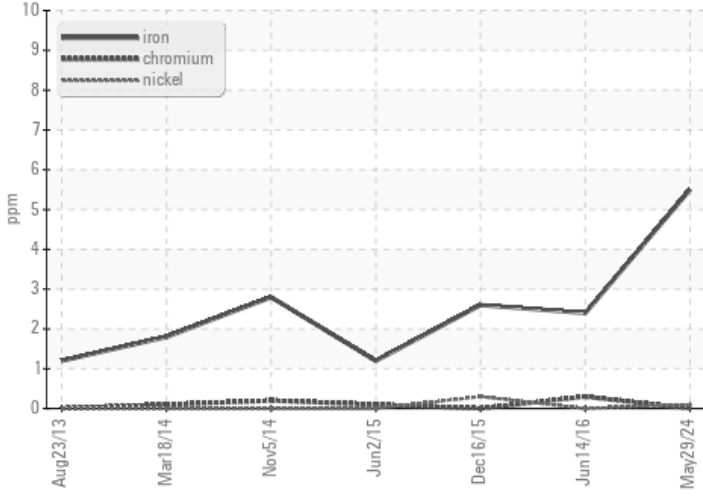


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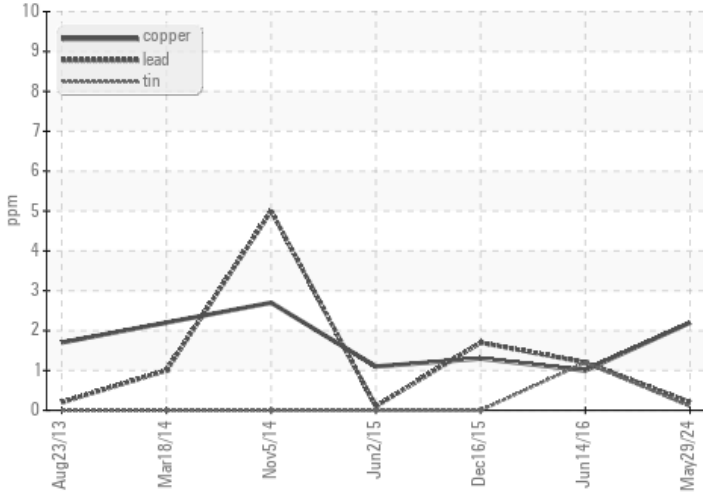


## VOLVO GRAPHS

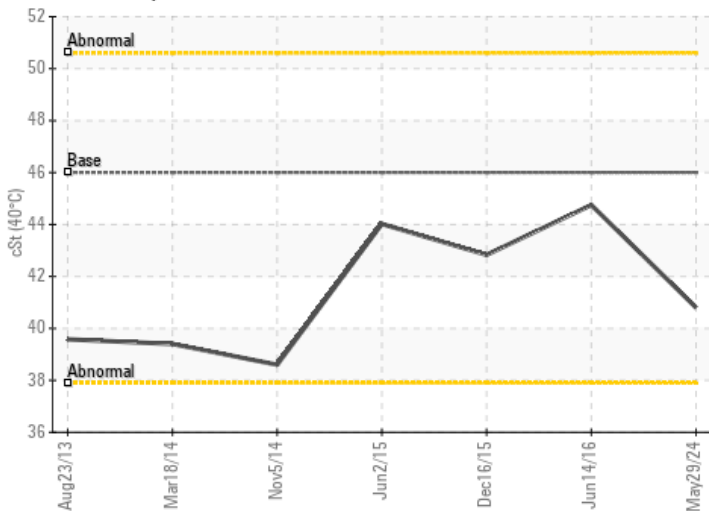
### Ferrous Alloys



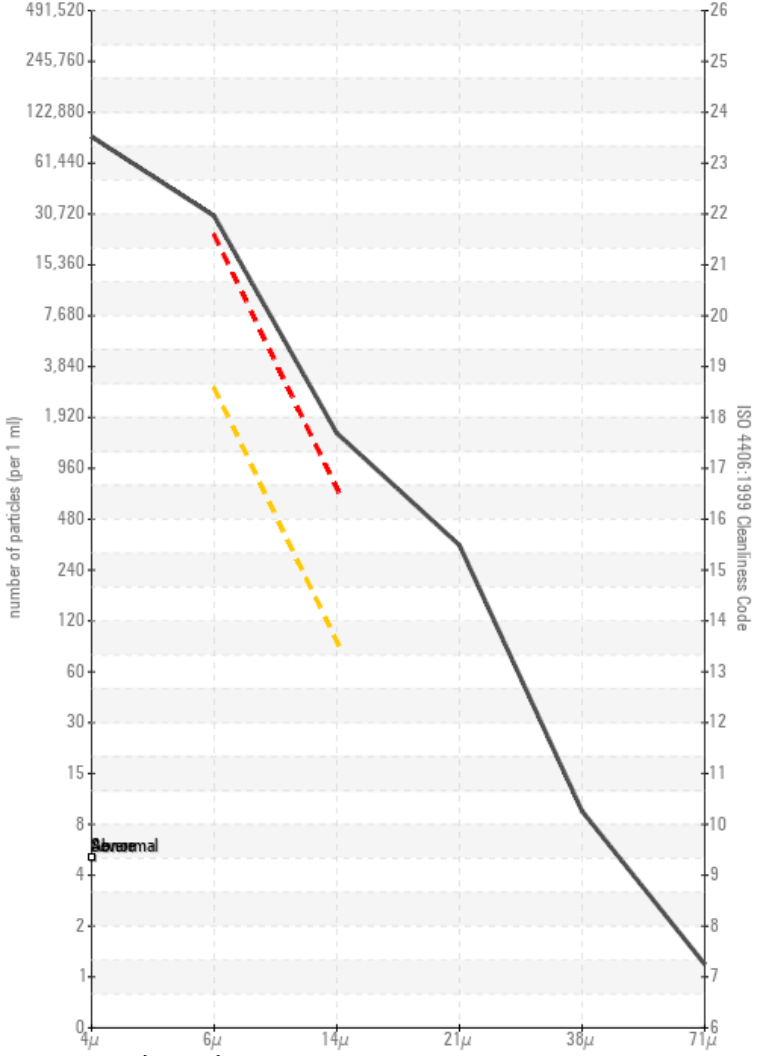
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

