



# CONSTRUCTION EQUIPMENT

## G08826 VOLVO A40D 70043 - HYDRAULIC SYSTEM



**Sample No:** VCP439204

**Oil Type:** {unknown}

**Job No:** G08826



### SAMPLE INFORMATION

Sample Number	<b>VCP439204</b>	VCP177195	VCP166599	VCP142397
Sample Date	<b>22 May 2024</b>	26 Feb 2016	16 Mar 2015	11 Nov 2013
Machine Hours	<b>15722</b>	8568	7459	6393
Oil Hours	<b>0</b>	2000	1250	2000
Oil Changed	<b>N/A</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL



### BLenheim CONSTRUCTION

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### OIL CONDITION

Visc @ 40°C	cSt	<b>45.3</b>	44.98	45.28	51.8
Acid Number (AN)	mg KOH/g	<b>0.94</b>	1.85	1.52	1.16



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Particles >4µm		<b>29504</b>	280	162	1540
Particles >6µm		<b>316</b>	152	88	838
Particles >14µm		<b>17</b>	26	15	142
ISO 4406:1999 (c)		<b>22/15/11</b>	15/14/12	15/14/11	18/17/14
Silicon	ppm	<b>12</b>	9	9	9
Sodium	ppm	<b>4</b>	3	2	2
Potassium	ppm	<b>2</b>	<1	1	6

### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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>5</b>	6	4	4
Copper	ppm	<b>11</b>	19	13	16
Lead	ppm	<b>1</b>	1	<1	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>2</b>	1	<1	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>5</b>	1	1	1
Nickel	ppm	<b>0</b>	<1	<1	0
Titanium	ppm	<b>&lt;1</b>	<1	0	<1
Silver	ppm	<b>&lt;1</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>2912</b>	1878	1938	1699
Magnesium	ppm	<b>137</b>	151	160	43
Zinc	ppm	<b>1346</b>	1127	1068	919
Phosphorus	ppm	<b>1136</b>	896	877	812
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>94</b>	55	52	50

**Depot:** BLECAM

**Unique No:** 11056038

**Signed:** Wes Davis

**Report Date:** 30 May 2024

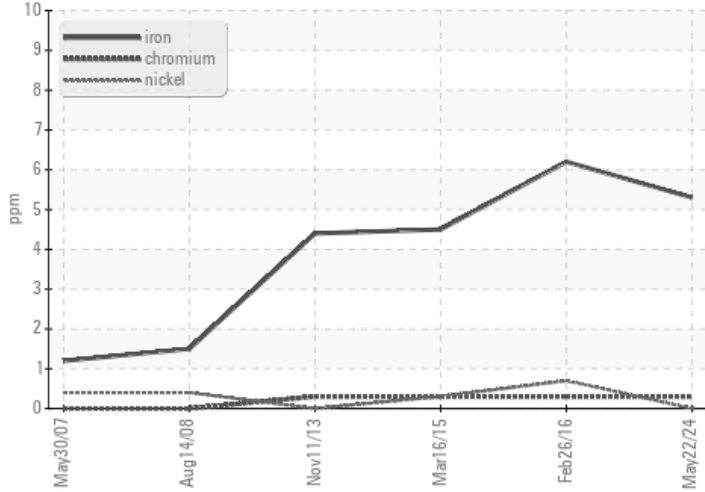


# CONSTRUCTION EQUIPMENT

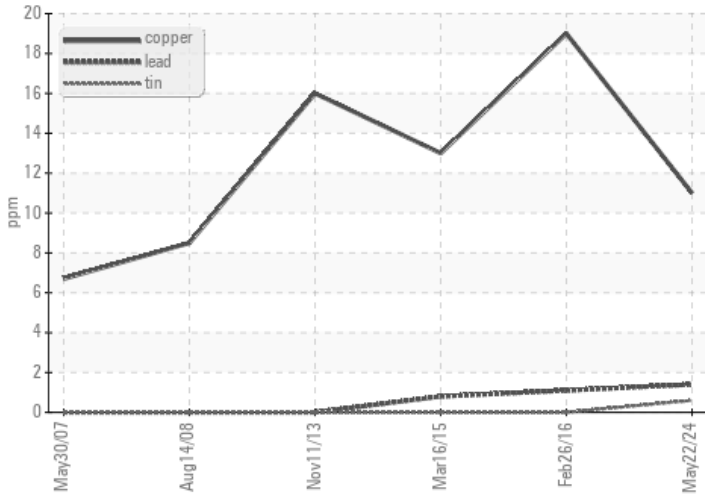


## VOLVO GRAPHS

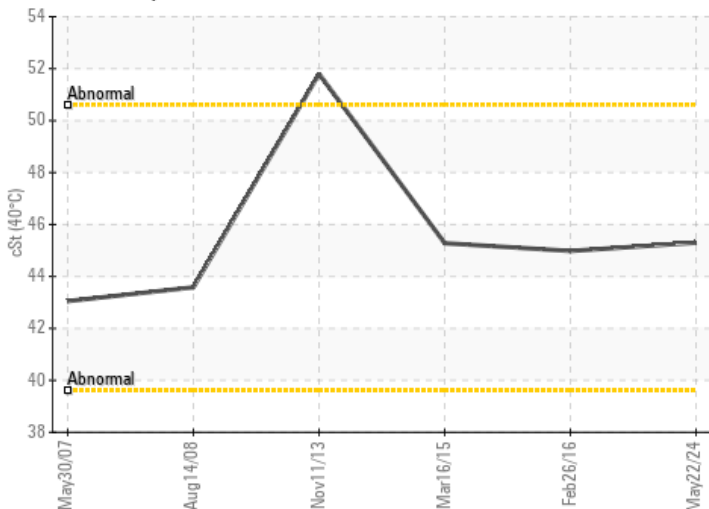
### Ferrous Alloys



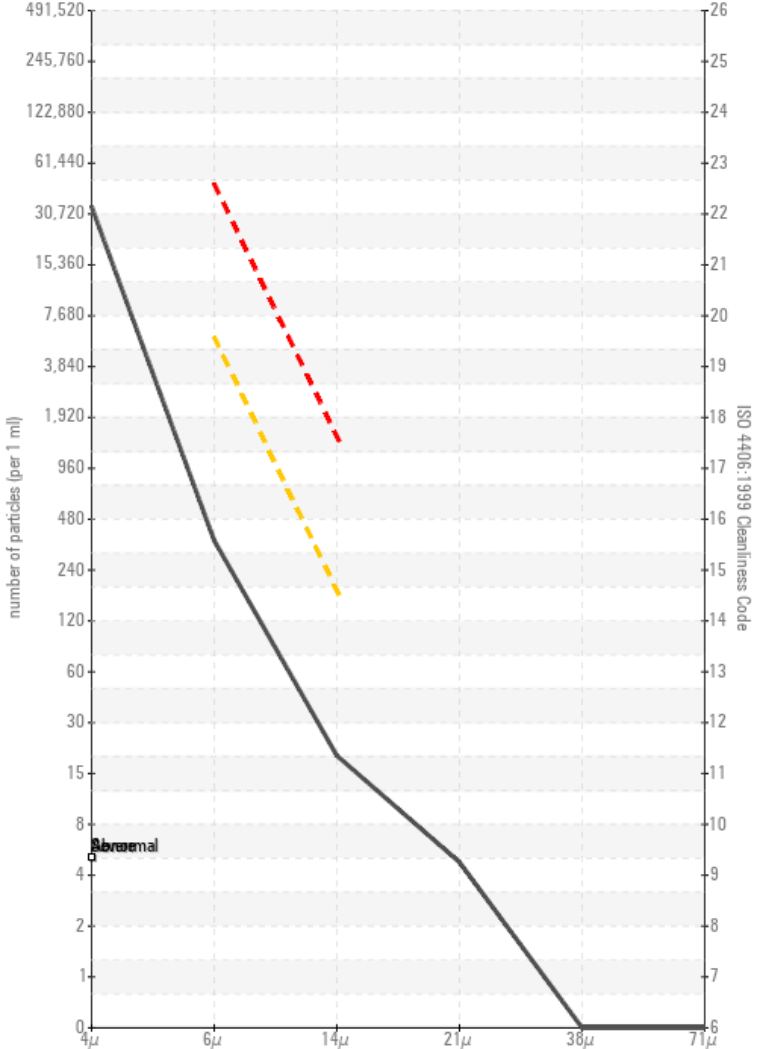
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

