



# CONSTRUCTION EQUIPMENT

## A11326 VOLVO A30C 60035 - HYDRAULIC SYSTEM



**Sample No:** VCP430661  
**Oil Type:** MOBIL HYDRAULIC OIL AW 46  
**Job No:** A11326



### SAMPLE INFORMATION

Sample Number	<b>VCP430661</b>	VCP383615	VCP264310	VCP217286
Sample Date	<b>20 Oct 2023</b>	21 Nov 2022	06 Apr 2020	29 Mar 2018
Machine Hours	<b>21415</b>	20899	19940	18910
Oil Hours	<b>500</b>	0	500	1500
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	ABNORMAL	ATTENTION	ATTENTION

**DYER QUARRY**  
P.O. BOX 188, 1275 ROCK HOLLOW ROAD  
BIRDSBORO, PA  
US 19508  
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F: (610)582-2304

### OIL CONDITION

Visc @ 40°C	cSt	<b>42.7</b>	45.1	43.6	43.64
Acid Number (AN)	mg KOH/g	<b>0.91</b>	0.87	0.696	0.720

### CONTAMINATION

Particles >4µm		<b>10661</b>	43759	22354	15048
Particles >6µm		<b>2066</b>	12889	5703	4176
Particles >14µm		<b>97</b>	1096	140	293
ISO 4406:1999 (c)		<b>21/18/14</b>	23/21/17	22/20/14	21/19/15
Silicon	ppm	<b>12</b>	6	5	5
Sodium	ppm	<b>0</b>	0	2	2
Potassium	ppm	<b>2</b>	1	<1	<1

**Diagnosis**  
Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

### WEAR METALS

Iron	ppm	<b>3</b>	4	3	3
Copper	ppm	<b>2</b>	4	2	1
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	2	<1	<1
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>4</b>	2	1	1
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>2</b>	1	<1	1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	0	0	<1
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>1730</b>	1158	701	847
Magnesium	ppm	<b>67</b>	63	53	82
Zinc	ppm	<b>921</b>	823	679	752
Phosphorus	ppm	<b>734</b>	652	555	626
Barium	ppm	<b>3</b>	0	0	0
Boron	ppm	<b>18</b>	5	5	5

**Depot:** DYEBIR  
**Unique No:** 10711773  
**Signed:** Don Baldrige  
**Report Date:** 27 Oct 2023

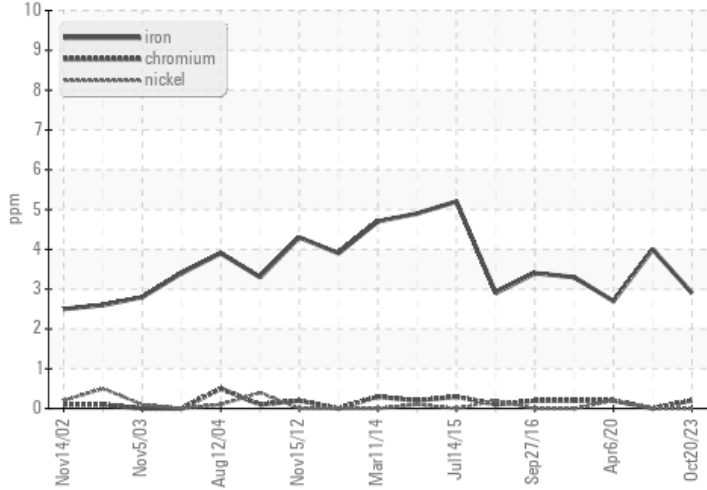


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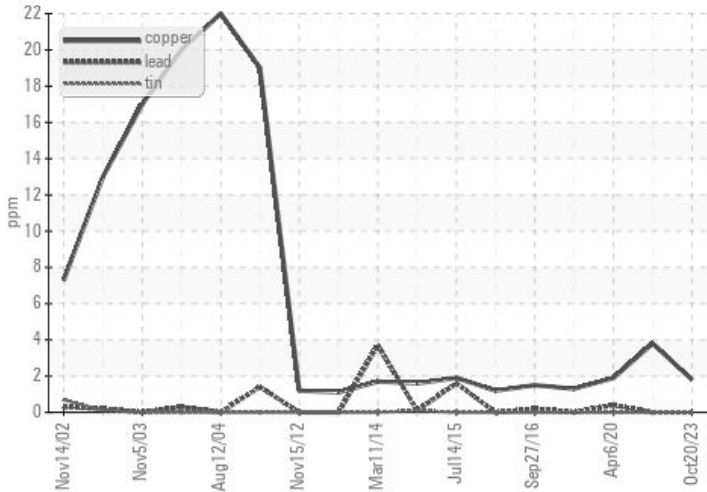


## VOLVO GRAPHS

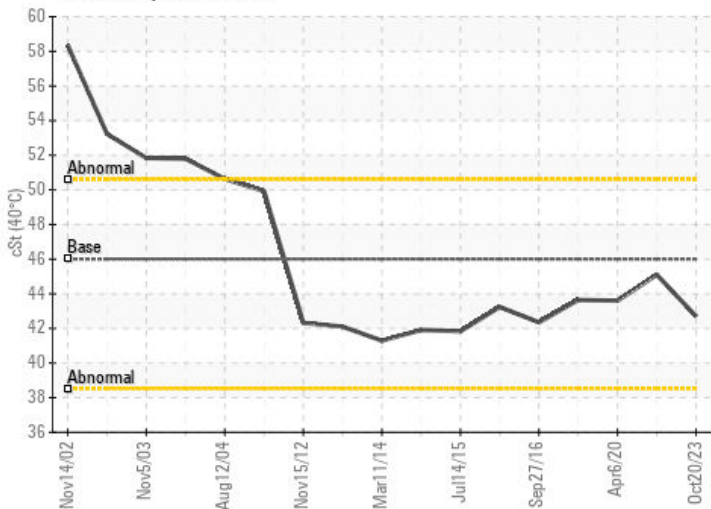
### Ferrous Alloys



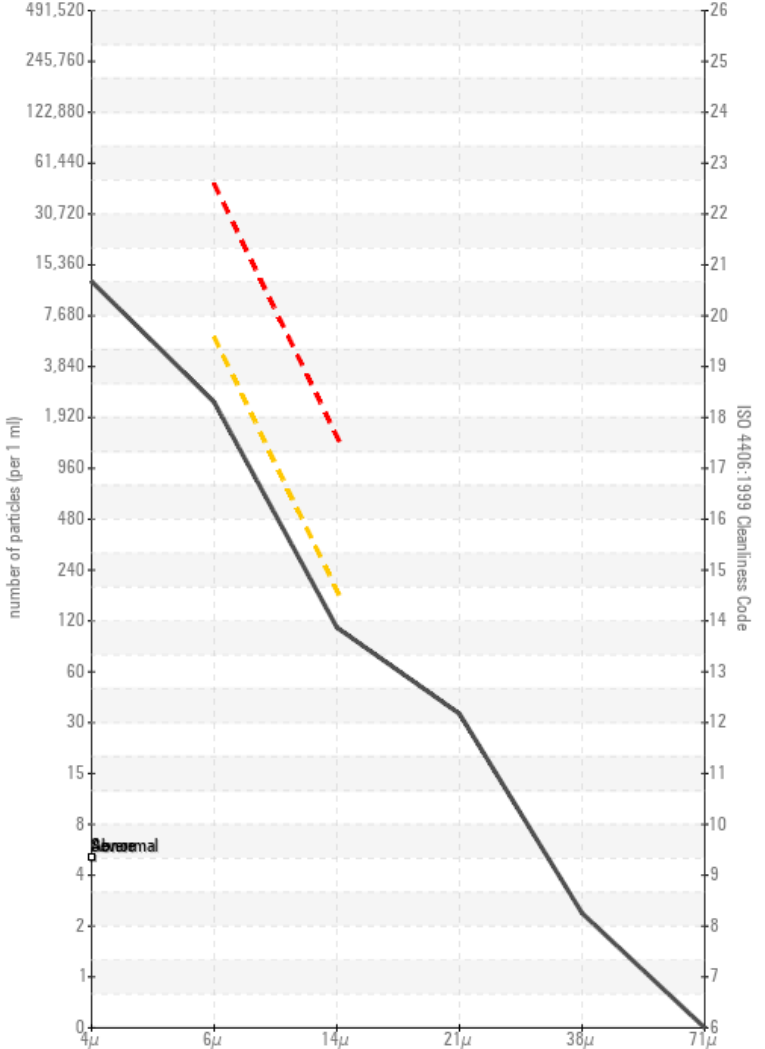
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

