



# CONSTRUCTION EQUIPMENT

## 607843 RE BECKAM VOLVO EC350EL 3 14069 - HYDRAULIC SYSTEM



**Sample No:** VCP429228  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 607843 RE BECKAM



### SAMPLE INFORMATION

Sample Number	<b>VCP429228</b>	VCP379617	VCP378037	VCP332837
Sample Date	<b>28 Sep 2023</b>	04 Jan 2023	07 Jul 2022	18 Feb 2022
Machine Hours	<b>4493</b>	3433	2711	2174
Oil Hours	<b>2000</b>	1500	711	2174
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
 8418 PALM RIVER ROAD  
 TAMPA, FL  
 US 33619  
 Contact: JOHN FARDELLA  
 john.fardella@altg.com  
 T: (813)630-0077  
 F: (813)630-2233



### OIL CONDITION

Visc @ 40°C	cSt	<b>41.3</b>	42.0	42.4	42.96
Acid Number (AN)	mg KOH/g	<b>0.41</b>	0.44	0.46	0.48



### CONTAMINATION

Particles >4µm	<b>5492</b>	32608	12179	20586	
Particles >6µm	<b>436</b>	1842	1388	829	
Particles >14µm	<b>27</b>	31	38	35	
ISO 4406:1999 (c)	<b>20/16/12</b>	22/18/12	21/18/12	22/17/12	
Silicon	ppm	<b>3</b>	3	2	2
Sodium	ppm	<b>2</b>	<1	0	<1
Potassium	ppm	<b>2</b>	0	0	0

### 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>	3	2	3
Copper	ppm	<b>25</b>	24	18	31
Lead	ppm	<b>&lt;1</b>	0	0	<1
Tin	ppm	<b>&lt;1</b>	0	<1	<1
Aluminum	ppm	<b>1</b>	0	0	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	<1	<1	0
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>0</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>	0	0	0



### ADDITIVES

Calcium	ppm	<b>95</b>	95	97	69
Magnesium	ppm	<b>5</b>	<1	2	0
Zinc	ppm	<b>493</b>	431	471	466
Phosphorus	ppm	<b>383</b>	357	385	444
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	0	0	2

**Depot:** VOLVO0093  
**Unique No:** 10709060  
**Signed:** Wes Davis  
**Report Date:** 24 Oct 2023

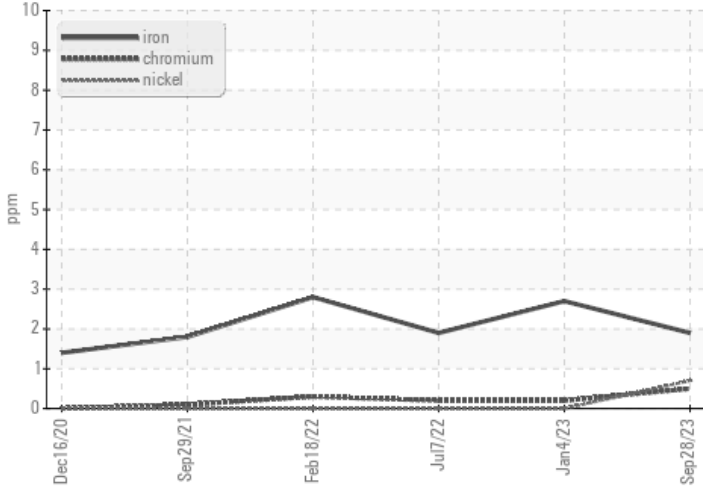


# CONSTRUCTION EQUIPMENT

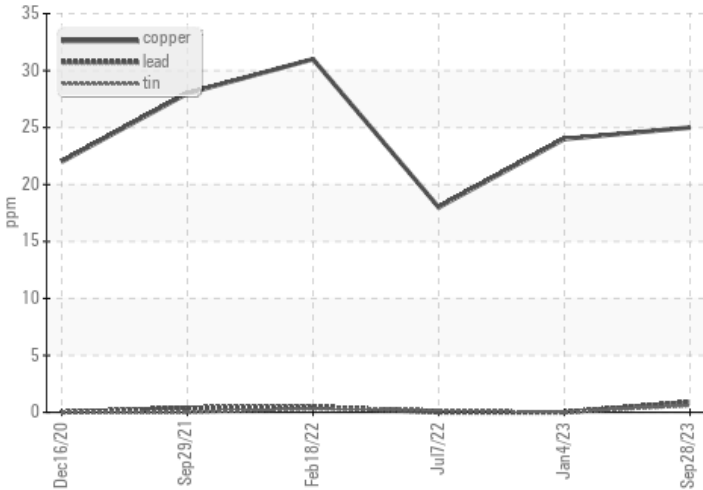


## GRAPHS

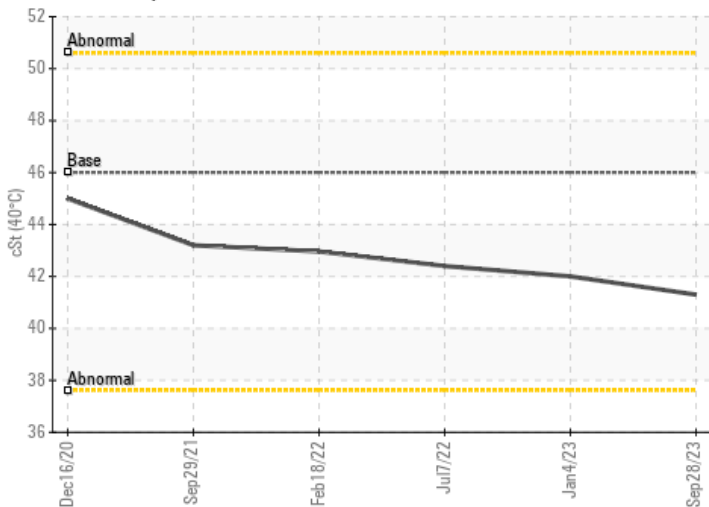
### Ferrous Alloys



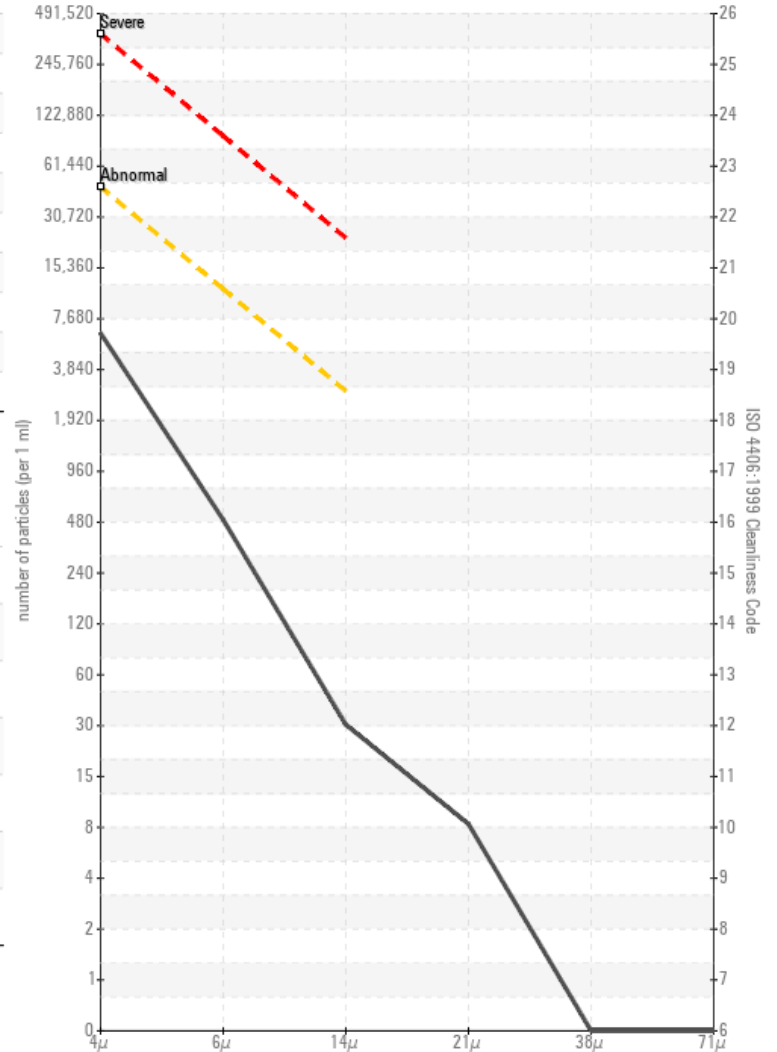
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

