



# CONSTRUCTION EQUIPMENT

## SPM620857 WM HODGKIN VOLVO EC250EL 310691 - HYDRAULIC SYSTEM



**Sample No:** VCP398391  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM620857 WM HODGKIN



### SAMPLE INFORMATION

Sample Number	<b>VCP398391</b>	VCP415428	VCP422603	VCP423216
Sample Date	<b>18 Oct 2023</b>	18 Aug 2023	16 Jun 2023	01 Jun 2023
Machine Hours	<b>13126</b>	14626	15556	12246
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**ALTA EQUIPMENT CO - ORLAND PARK**  
 5000 INDUSTRIAL HWY  
 GARY, IN  
 US 46406  
 Contact: DAVE ENG  
 DAVE.ENG@ALTG.COM  
 T: (312)350-2560  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>41.0</b>	41.3	41.0	40.1
Acid Number (AN)	mg KOH/g	<b>0.34</b>	0.76	0.36	0.42



### CONTAMINATION

Particles >4µm		<b>11350</b>	5789	3566	2836
Particles >6µm		<b>1857</b>	1130	908	738
Particles >14µm		<b>73</b>	71	71	62
ISO 4406:1999 (c)		<b>21/18/13</b>	20/17/13	19/17/13	19/17/13
Silicon	ppm	<b>&lt;1</b>	<1	1	<1
Sodium	ppm	<b>1</b>	0	<1	0
Potassium	ppm	<b>2</b>	<1	<1	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>0</b>	1	1	1
Copper	ppm	<b>6</b>	4	4	4
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>&lt;1</b>	0	0	0
Chromium	ppm	<b>&lt;1</b>	<1	1	1
Molybdenum	ppm	<b>0</b>	<1	<1	0
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	0	0	0
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>55</b>	64	64	75
Magnesium	ppm	<b>7</b>	8	7	11
Zinc	ppm	<b>453</b>	455	466	503
Phosphorus	ppm	<b>356</b>	349	346	378
Barium	ppm	<b>0</b>	2	0	0
Boron	ppm	<b>0</b>	0	0	0

**Depot:** VOLVO8885  
**Unique No:** 10737951  
**Signed:** Wes Davis  
**Report Date:** 13 Nov 2023

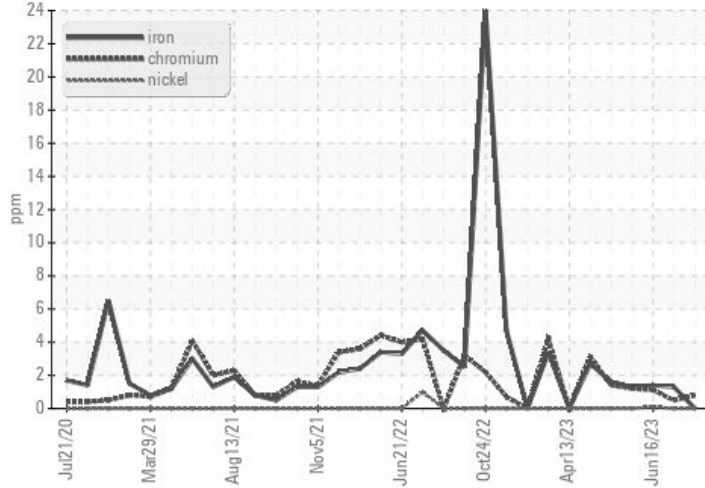


# CONSTRUCTION EQUIPMENT

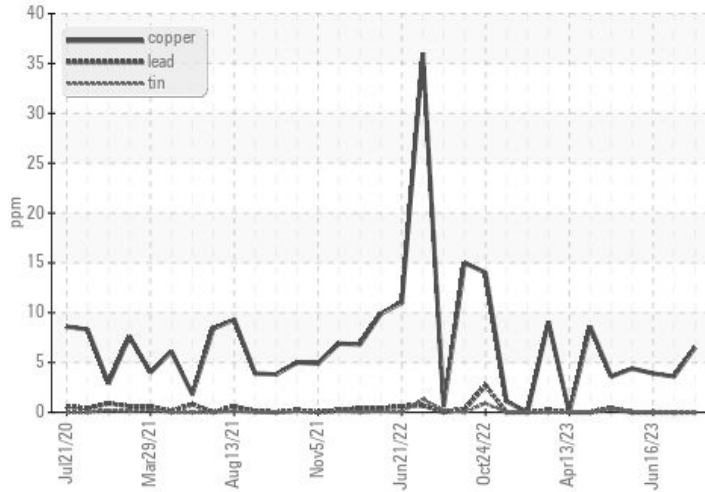


## GRAPHS

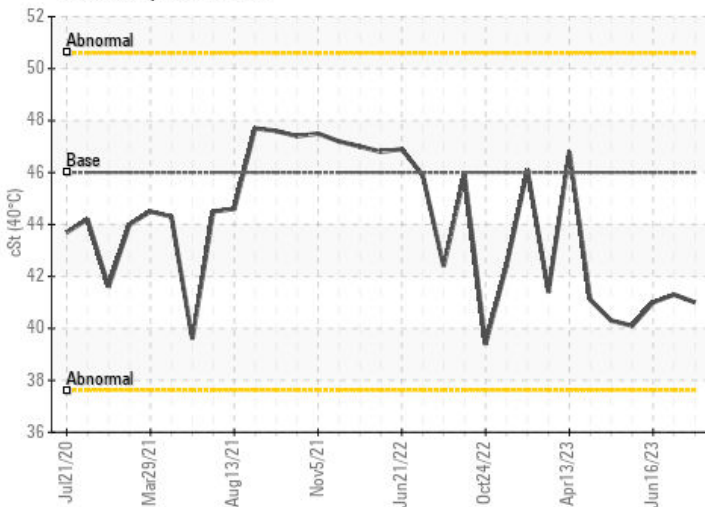
### Ferrous Alloys



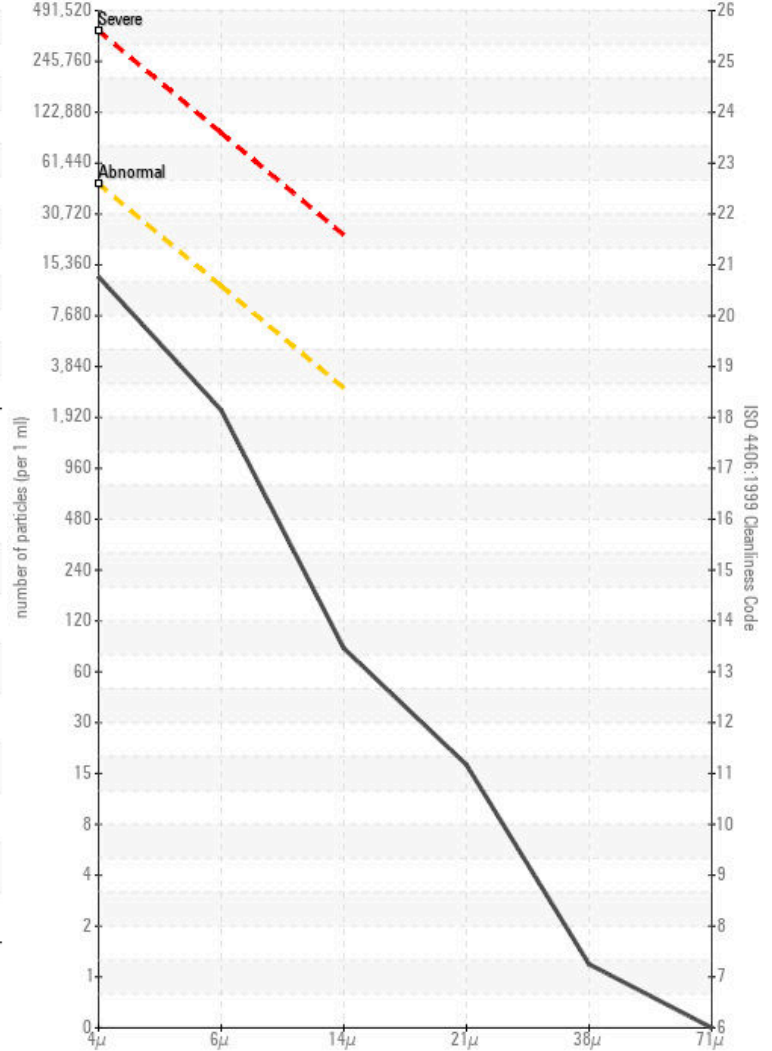
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

