



# CONSTRUCTION EQUIPMENT

## GRASSY CREEK VOLVO L180G 22208 - HYDRAULIC SYSTEM



**Sample No:** VCP426935  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** GRASSY CREEK



### SAMPLE INFORMATION

Sample Number	VCP426935	VCE69547	---	---
Sample Date	24 Jul 2023	09 Jan 2015	---	---
Machine Hours	6318	2007	---	---
Oil Hours	0	2007	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

**160 - ASCENDUM MACHINERY INC - MILLS RIVER**  
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### OIL CONDITION

Visc @ 40°C	cSt	43.6	38.1	---	---
Acid Number (AN)	mg KOH/g	0.74	0.606	---	---



### CONTAMINATION

Particles >4µm		64342	1894	---	---
Particles >6µm		10414	1031	---	---
Particles >14µm		380	175	---	---
ISO 4406:1999 (c)		23/21/16	18/17/15	---	---
Silicon	ppm	4	8	---	---
Sodium	ppm	4	<1	---	---
Potassium	ppm	<1	0	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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 suitable for further service.



### WEAR METALS

Iron	ppm	6	9	---	---
Copper	ppm	<1	3	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	4	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---



### ADDITIVES

Calcium	ppm	1424	43	---	---
Magnesium	ppm	8	<1	---	---
Zinc	ppm	851	438	---	---
Phosphorus	ppm	640	350	---	---
Barium	ppm	0	0	---	---
Boron	ppm	42	0	---	---

**Depot:** VOLVO1672  
**Unique No:** 10576551  
**Signed:** Don Baldrige  
**Report Date:** 31 Jul 2023

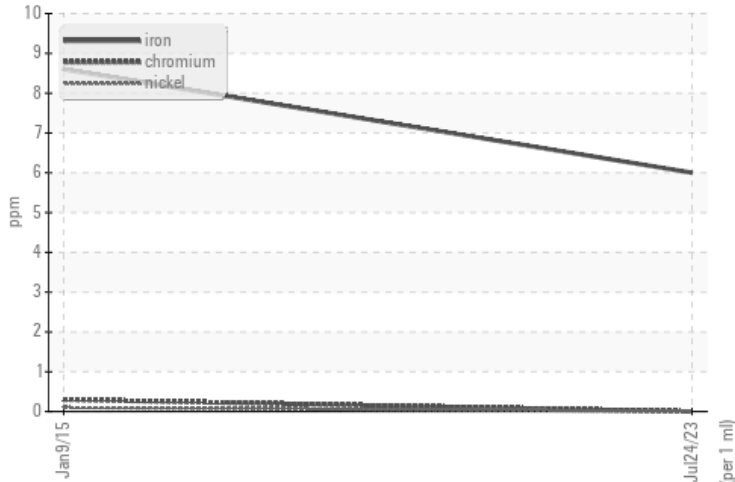


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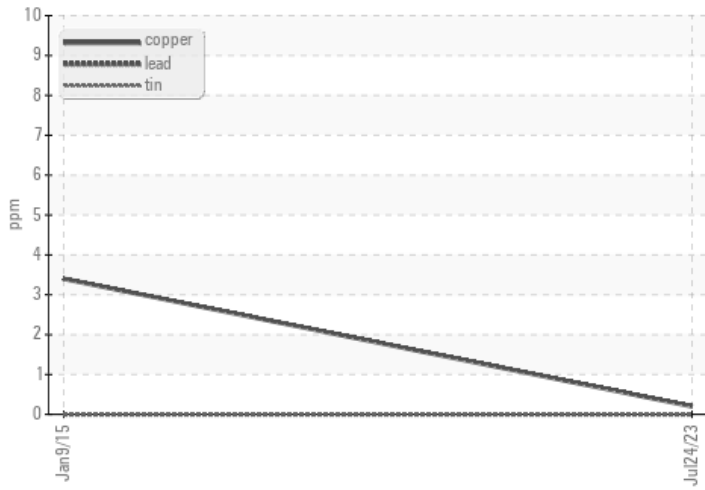


## GRAPHS

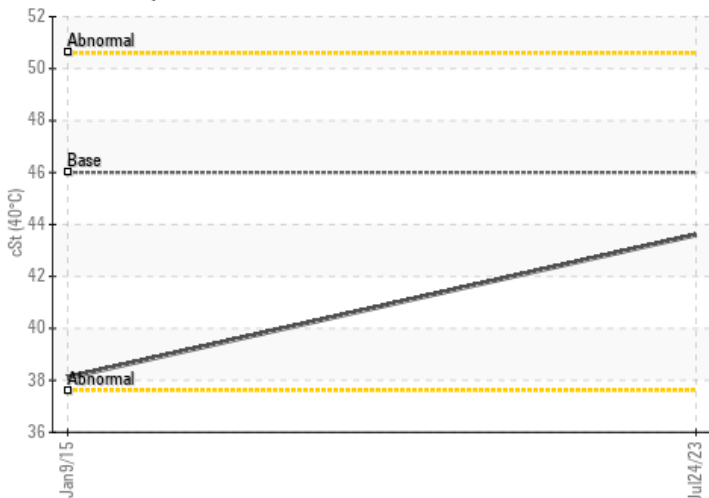
### Ferrous Alloys



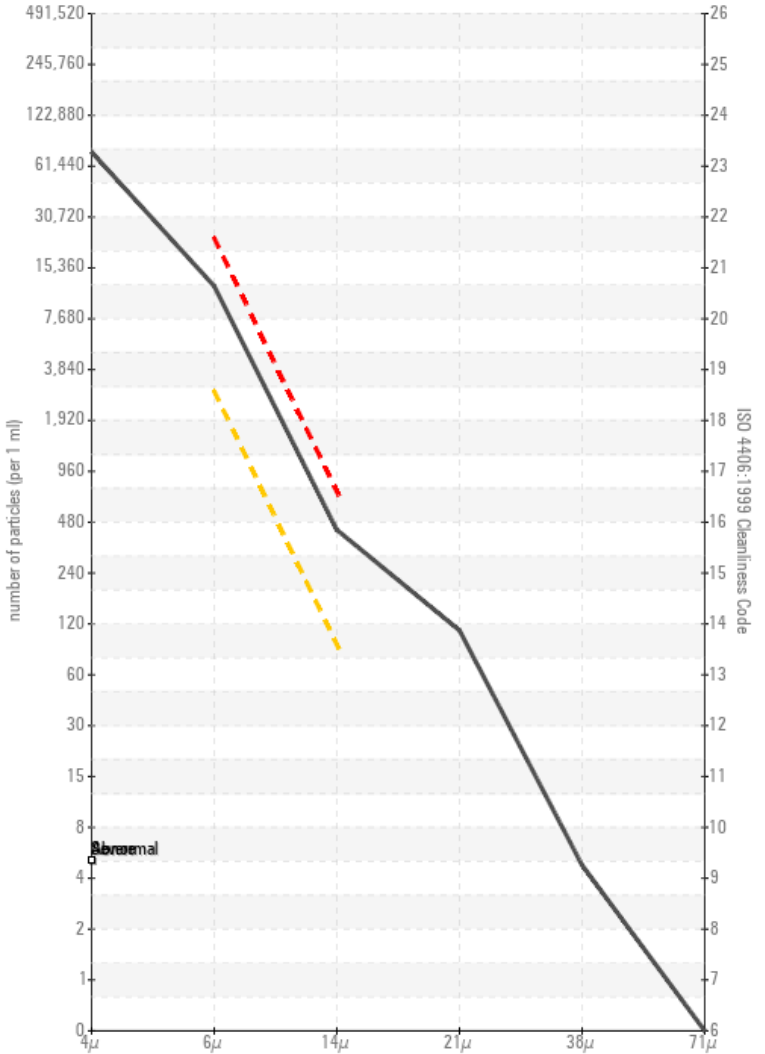
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

