



# CONSTRUCTION EQUIPMENT

## X48143 KOBELCO SK350LC-10 605072 - HYDRAULIC SYSTEM



**Sample No:** VCP450953  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** X48143



### SAMPLE INFORMATION

Sample Number	<b>VCP450953</b>	VCP371278	VCP371156	VCP371081
Sample Date	<b>17 May 2024</b>	18 Jan 2023	04 Jan 2023	19 Dec 2022
Machine Hours	<b>4381</b>	0	3657	3656
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	N/A	Not Changd	Not Changd
Sample Status	<b>SEVERE</b>	ABNORMAL	ABNORMAL	NORMAL

**SCOTT EQUIPMENT COMPANY LLC - Lavergne**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.5</b>	45.3	44.7	45.3
Acid Number (AN)	mg KOH/g	<b>0.38</b>	0.32	0.33	0.31

### CONTAMINATION

Water	%	<b>NEG</b>	0.309	NEG	NEG
Particles >4µm		<b>115536</b>	1546	67683	2435
Particles >6µm		<b>21659</b>	842	21972	336
Particles >14µm		<b>122</b>	143	1562	28
ISO 4406:1999 (c)		<b>24/22/14</b>	18/17/14	23/22/18	18/16/12
Silicon	ppm	<b>3</b>	0	1	1
Sodium	ppm	<b>&lt;1</b>	0	0	1
Potassium	ppm	<b>0</b>	2	<1	0

### Diagnosis

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

### WEAR METALS

Iron	ppm	<b>9</b>	2	6	6
Copper	ppm	<b>4</b>	2	6	6
Lead	ppm	<b>&lt;1</b>	0	<1	<1
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	0	<1	<1
Chromium	ppm	<b>0</b>	0	<1	<1
Molybdenum	ppm	<b>3</b>	0	<1	0
Nickel	ppm	<b>0</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>70</b>	33	26	20
Magnesium	ppm	<b>0</b>	9	6	1
Zinc	ppm	<b>358</b>	278	266	266
Phosphorus	ppm	<b>322</b>	259	278	292
Barium	ppm	<b>0</b>	0	1	0
Boron	ppm	<b>0</b>	0	0	0

**Depot:** VOLV00129  
**Unique No:** 11042825  
**Signed:** Wes Davis  
**Report Date:** 22 May 2024

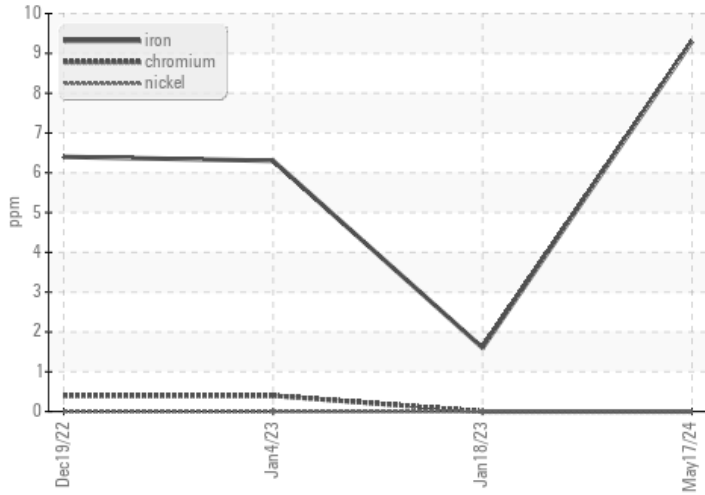


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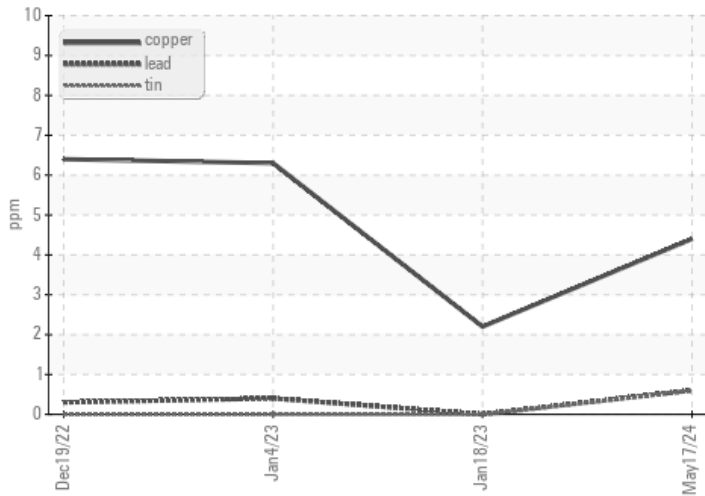


## GRAPHS

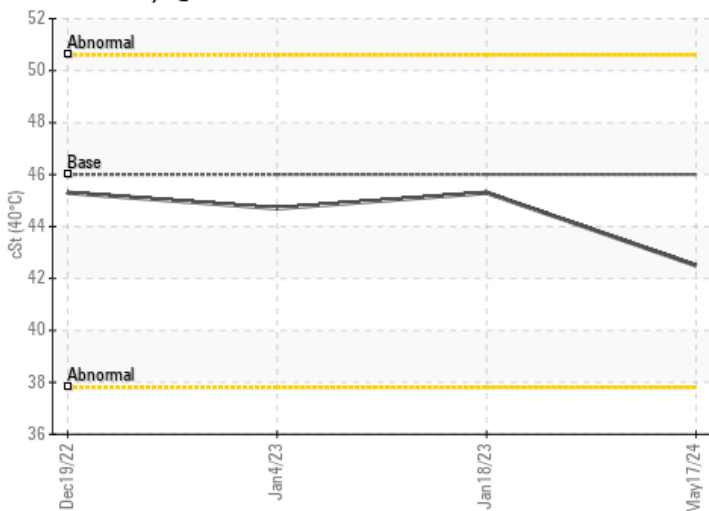
### Ferrous Alloys



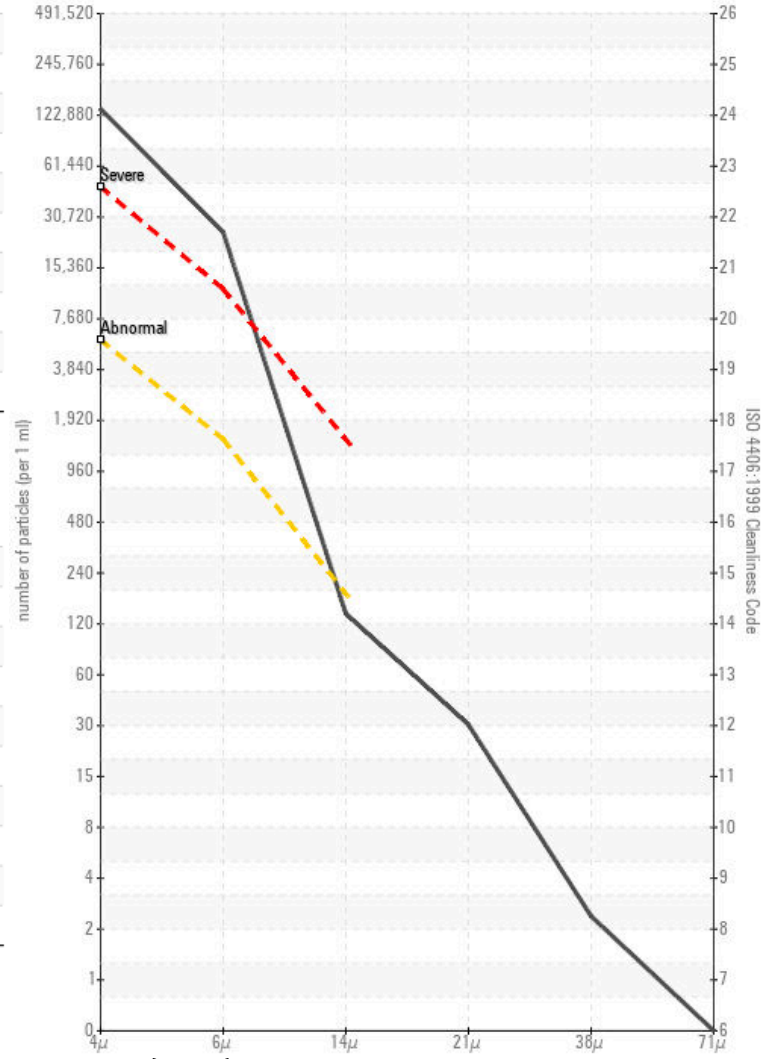
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

