



CONSTRUCTION EQUIPMENT

SWA143338 VOLVO L110H 632075 - HYDRAULIC SYSTEM



Sample No: VCP370085
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWA143338



SAMPLE INFORMATION

Sample Number	VCP370085	VCP354158	---	---
Sample Date	06 Jan 2023	23 Jun 2022	---	---
Machine Hours	2988	1626	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	N/A	---	---
Sample Status	ABNORMAL	NORMAL	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
SYRACUSE, NY
US 13206
Contact: JIM STRIGLE
JIM.STRIGLE@ALTG.COM
T: (315)437-2611
F: (315)434-9471



OIL CONDITION

Visc @ 40°C	cSt	41.8	41.1	---	---
Acid Number (AN)	mg KOH/g	0.39	1.15	---	---



CONTAMINATION

Particles >4µm		10421	7240	---	---
Particles >6µm		3138	451	---	---
Particles >14µm		390	27	---	---
ISO 4406:1999 (c)		21/19/16	20/16/12	---	---
Silicon	ppm	1	3	---	---
Sodium	ppm	<1	0	---	---
Potassium	ppm	0	1	---	---

Diagnosis

We recommend you service the filters on this component. 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	3	4	---	---
Copper	ppm	1	1	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	61	57	---	---
Magnesium	ppm	<1	4	---	---
Zinc	ppm	454	421	---	---
Phosphorus	ppm	352	315	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	3	---	---

Depot: VOLV00142
Unique No: 10286615
Signed: Don Baldrige
Report Date: 13 Jan 2023

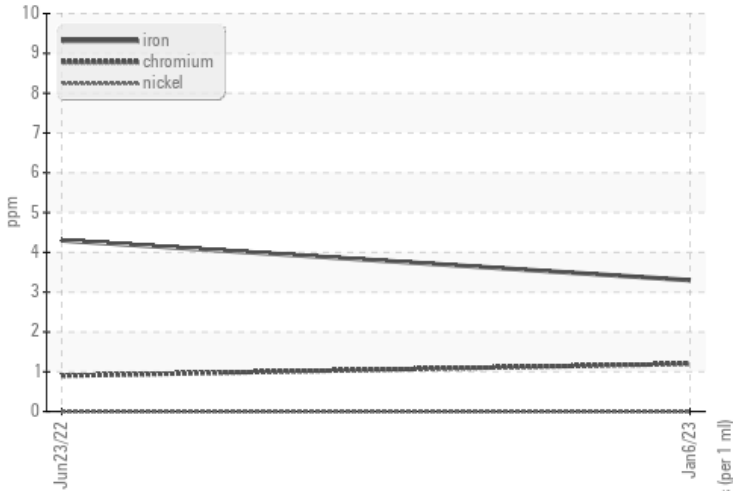


CONSTRUCTION EQUIPMENT

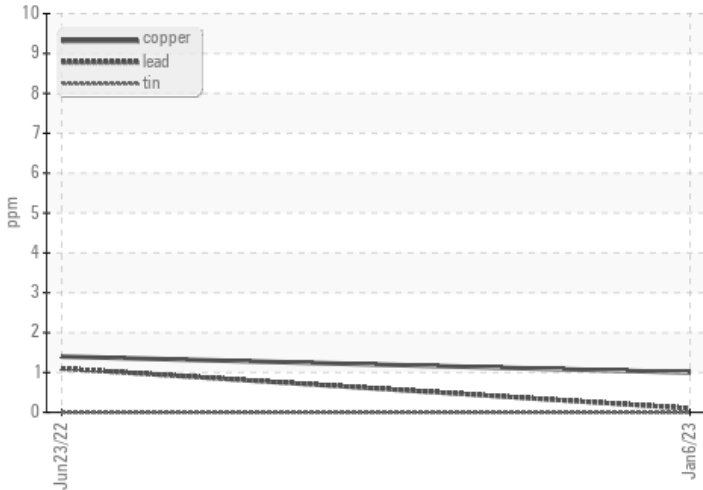


VOLVO GRAPHS

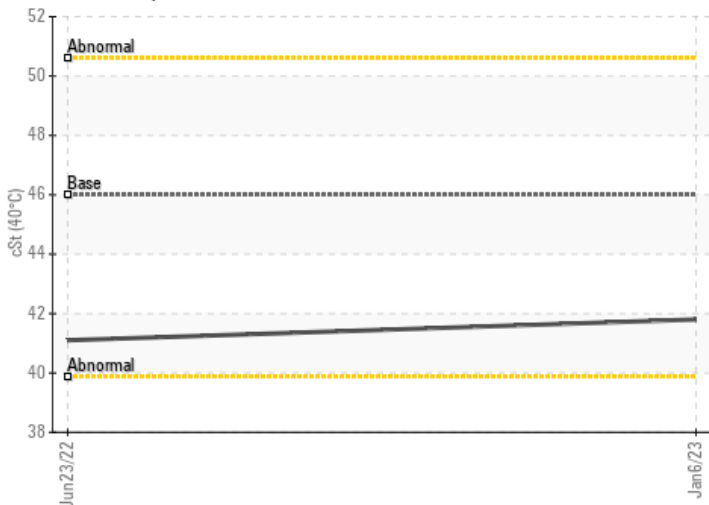
Ferrous Alloys



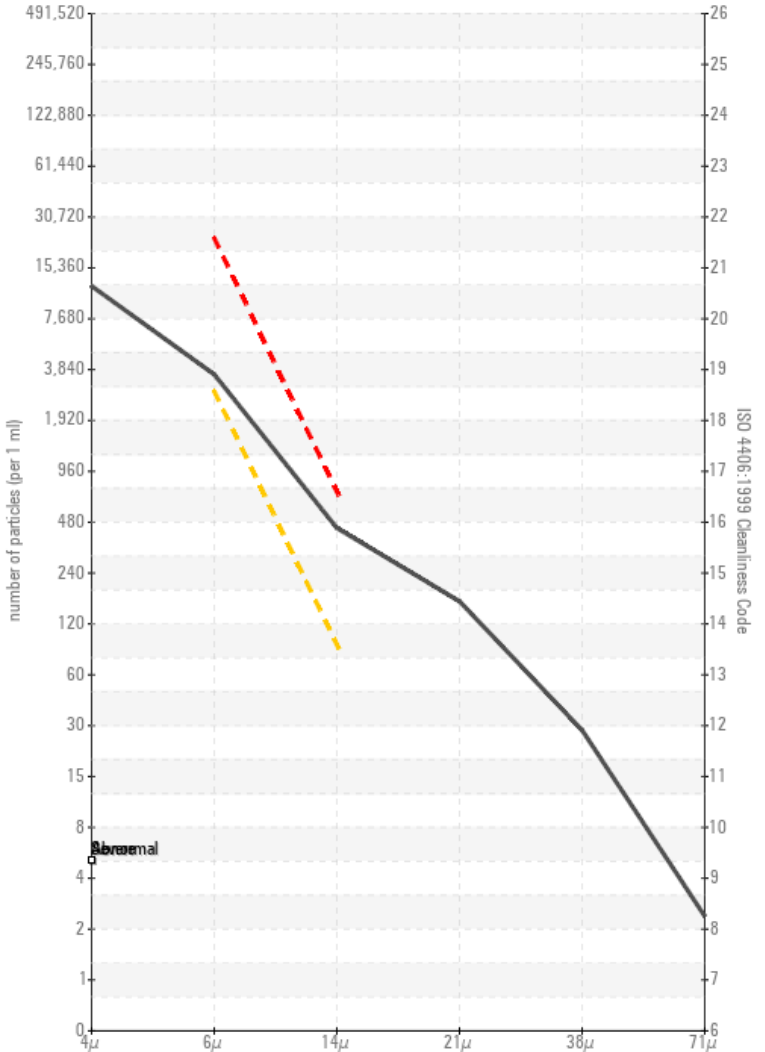
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

