



CONSTRUCTION EQUIPMENT

SWA300873-20 EP JANS VOLVO L20H 1220271 - HYDRAULIC SYSTEM



Sample No: VCP417802
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA300873-20 EP JANS



SAMPLE INFORMATION

Sample Number	VCP417802	VCP369757	---	---
Sample Date	19 Jul 2023	07 Nov 2022	---	---
Machine Hours	1981	1278	---	---
Oil Hours	0	1228	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	SEVERE	ABNORMAL	---	---

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	█41.2	█42.2	---	---
Acid Number (AN)	mg KOH/g	█0.46	█0.46	---	---



CONTAMINATION

Particles >4µm		█17240	52224	---	---
Particles >6µm		▲5935	▲11770	---	---
Particles >14µm		●740	▲501	---	---
ISO 4406:1999 (c)		█21/20/17	23/21/16	---	---
Silicon	ppm	█3	█2	---	---
Sodium	ppm	█2	█0	---	---
Potassium	ppm	█1	█2	---	---



WEAR METALS

Iron	ppm	█8	█8	---	---
Copper	ppm	█7	█6	---	---
Lead	ppm	█1	█2	---	---
Tin	ppm	█0	█<1	---	---
Aluminum	ppm	█<1	█<1	---	---
Chromium	ppm	█0	█0	---	---
Molybdenum	ppm	█<1	█<1	---	---
Nickel	ppm	█0	█0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█<1	█<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█335	█304	---	---
Magnesium	ppm	█5	█6	---	---
Zinc	ppm	█506	█501	---	---
Phosphorus	ppm	█410	█374	---	---
Barium	ppm	█0	█0	---	---
Boron	ppm	█0	█1	---	---

Diagnosis

We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. 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. Resample in 30-45 days to monitor this situation. All component wear rates are normal. There is a high amount of particulates (2 to 100 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.

Depot: VOLV00142
Unique No: 10576547
Signed: Wes Davis
Report Date: 31 Jul 2023

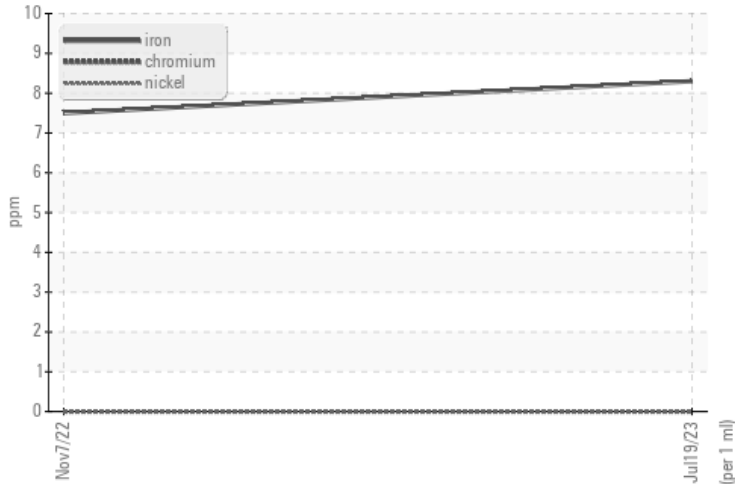


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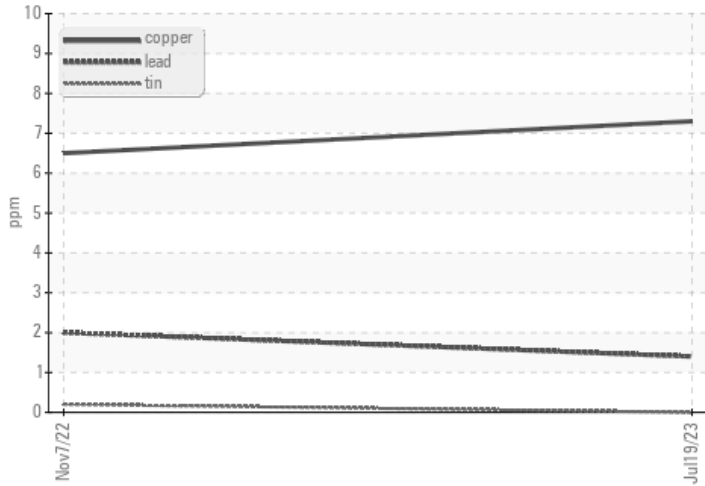


GRAPHS

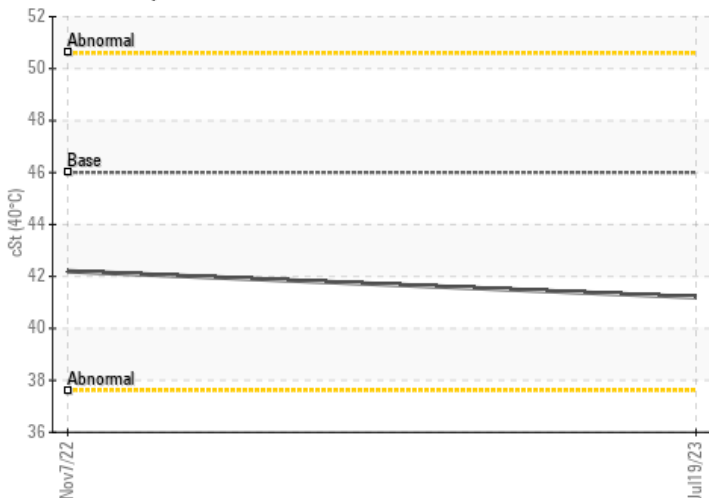
Ferrous Alloys



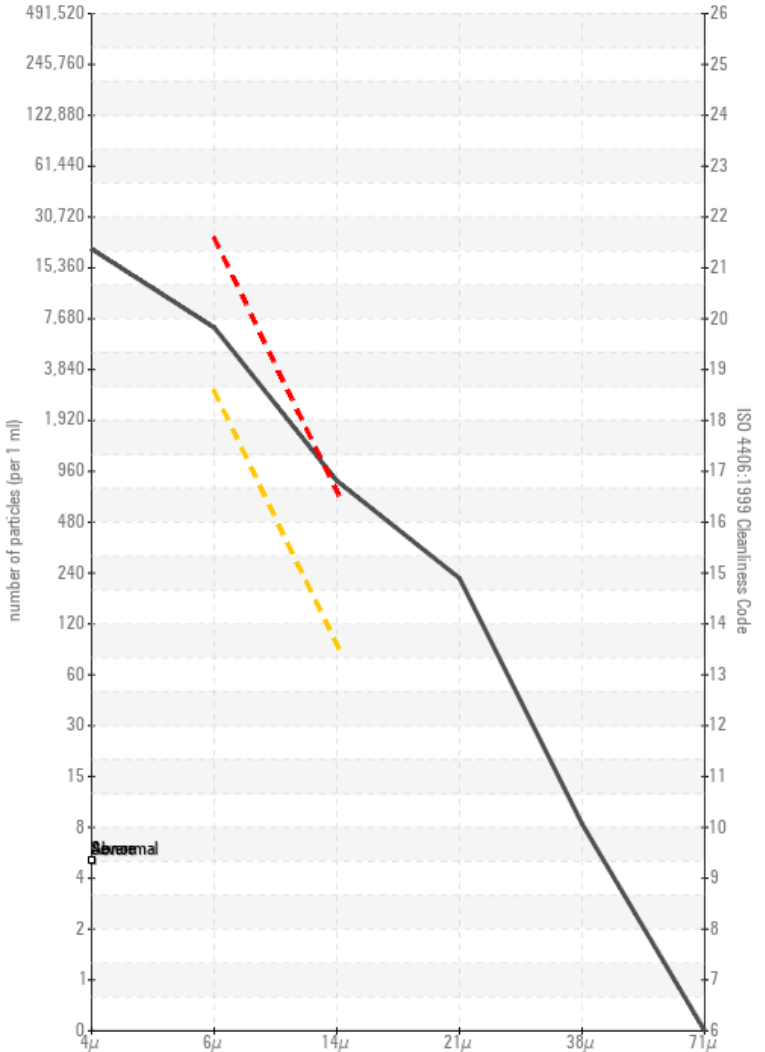
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

