



CONSTRUCTION EQUIPMENT

SWA308814 VOLVO L120H 632734 - HYDRAULIC SYSTEM



Sample No: VCP410083
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWA308814



SAMPLE INFORMATION

Sample Number	VCP410083	VCP349107	---	---
Sample Date	13 Jul 2023	29 Dec 2021	---	---
Machine Hours	2433	1581	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---



PRECAST WALL SYSTEMS
 1888 NW 22 COURT
 POMPANO BEACH, FL
 US 33069
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	48.2	44.0	---	---
Acid Number (AN)	mg KOH/g	0.34	0.446	---	---

T:
F:



CONTAMINATION

Particles >4µm		▲ 11394	▲ 21890	---	---
Particles >6µm		▲ 2087	▲ 5491	---	---
Particles >14µm		■ 71	▲ 508	---	---
ISO 4406:1999 (c)		21/18/13	22/20/16	---	---
Silicon	ppm	■ 2	■ 3	---	---
Sodium	ppm	■ 1	■ 2	---	---
Potassium	ppm	■ 0	■ 0	---	---

Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.
 All component wear rates are normal. There is a moderate 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	■ 2	■ 3	---	---
Copper	ppm	■ 2	■ 2	---	---
Lead	ppm	■ 1	■ 3	---	---
Tin	ppm	■ 0	■ <1	---	---
Aluminum	ppm	■ <1	■ 0	---	---
Chromium	ppm	■ <1	■ <1	---	---
Molybdenum	ppm	■ <1	<1	---	---
Nickel	ppm	■ 0	■ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ <1	0	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	■ 68	101	---	---
Magnesium	ppm	■ 3	1	---	---
Zinc	ppm	■ 419	401	---	---
Phosphorus	ppm	■ 326	334	---	---
Barium	ppm	■ 0	0	---	---
Boron	ppm	■ 0	3	---	---

Depot: PREPOM
Unique No: 10562564
Signed: Wes Davis
Report Date: 19 Jul 2023

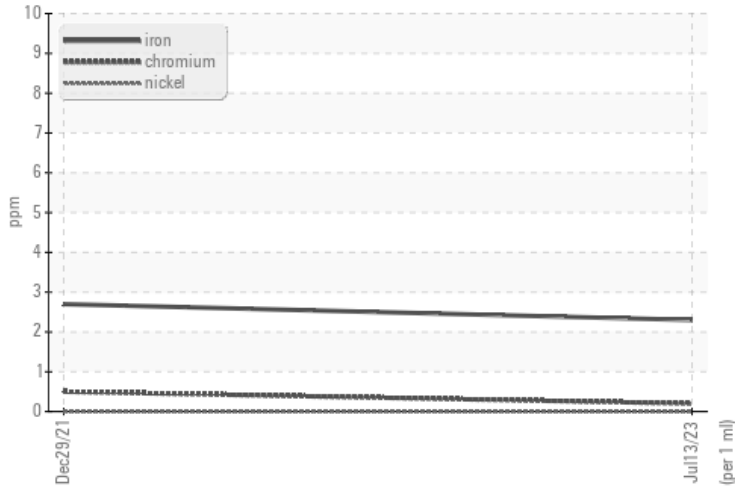


CONSTRUCTION EQUIPMENT

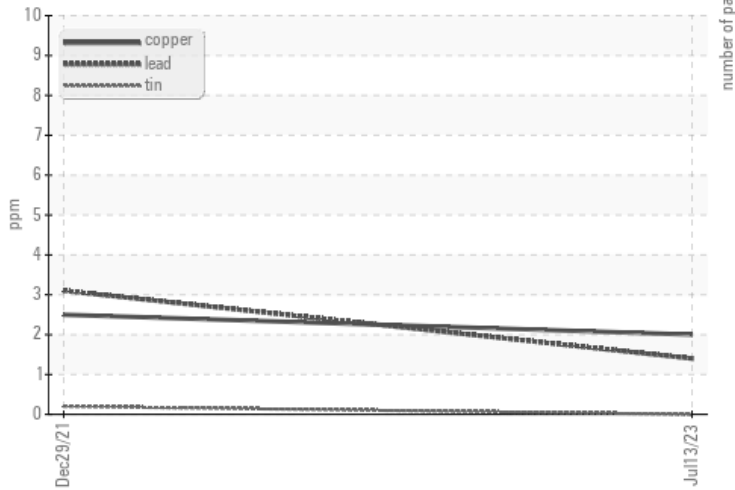


VOLVO GRAPHS

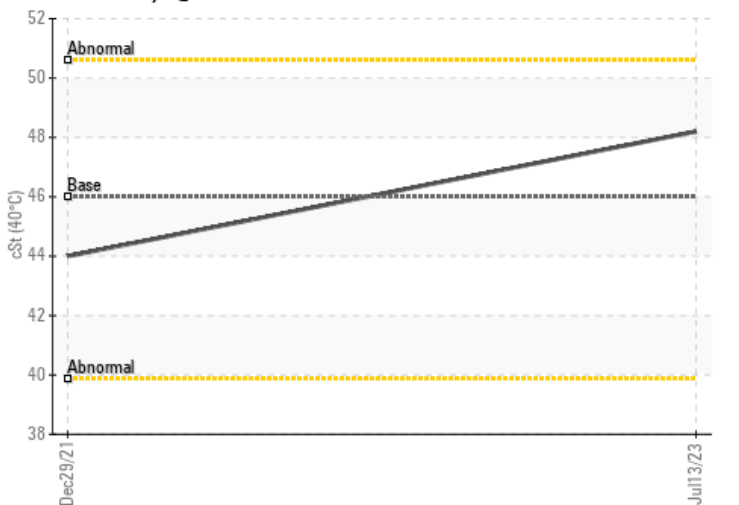
Ferrous Alloys



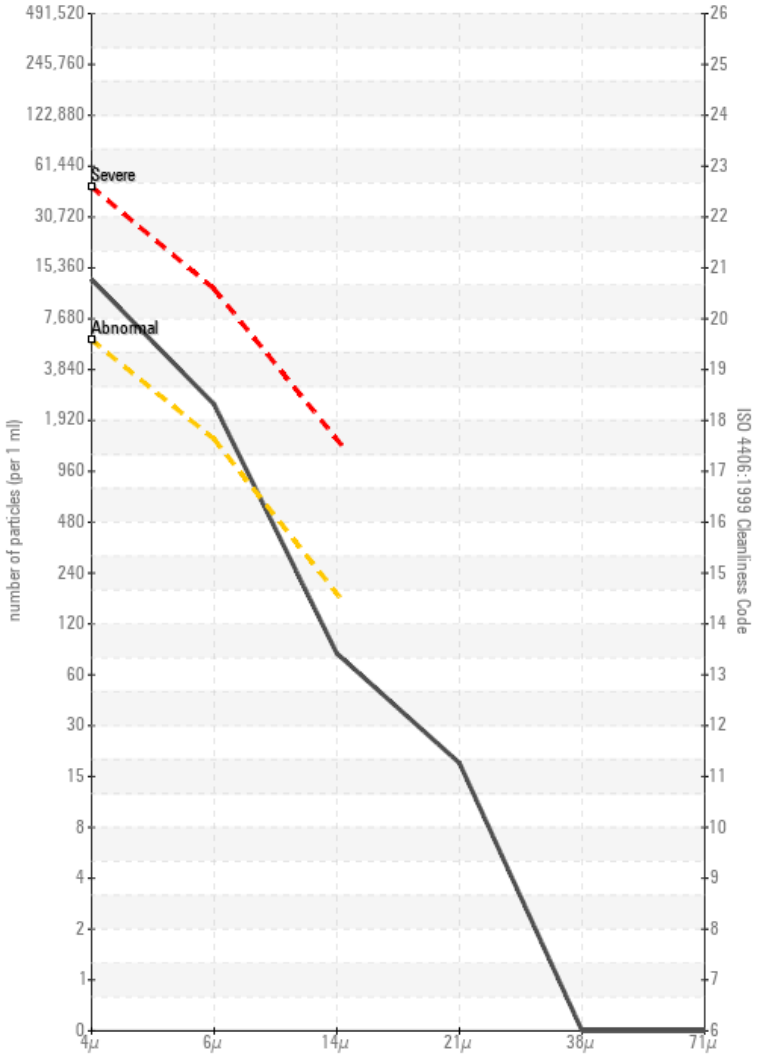
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

