



CONSTRUCTION EQUIPMENT

VOLVO L180H 5785 - HYDRAULIC SYSTEM



Sample No: VCP06172572
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP06172572	VCP425143	---	---
Sample Date	22 Feb 2024	16 Oct 2023	---	---
Machine Hours	3774	1214	---	---
Oil Hours	0	1214	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: KENNY HANEY
 khaney@flaglerce.com
 T: (813)630-0077
 F: (813)630-2233



OIL CONDITION

Visc @ 40°C	cSt	44.1	42.4	---	---
Acid Number (AN)	mg KOH/g	0.33	0.23	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		3124	4789	---	---
Particles >6µm		448	1234	---	---
Particles >14µm		24	108	---	---
ISO 4406:1999 (c)		19/16/12	19/17/14	---	---
Silicon	ppm	7	1	---	---
Sodium	ppm	<1	0	---	---
Potassium	ppm	0	2	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	7	1	---	---
Copper	ppm	17	2	---	---
Lead	ppm	<1	2	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	2	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	21	53	---	---
Magnesium	ppm	2	<1	---	---
Zinc	ppm	335	446	---	---
Phosphorus	ppm	302	347	---	---
Barium	ppm	0	9	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0093
Unique No: 11018625
Signed: Wes Davis
Report Date: 09 May 2024

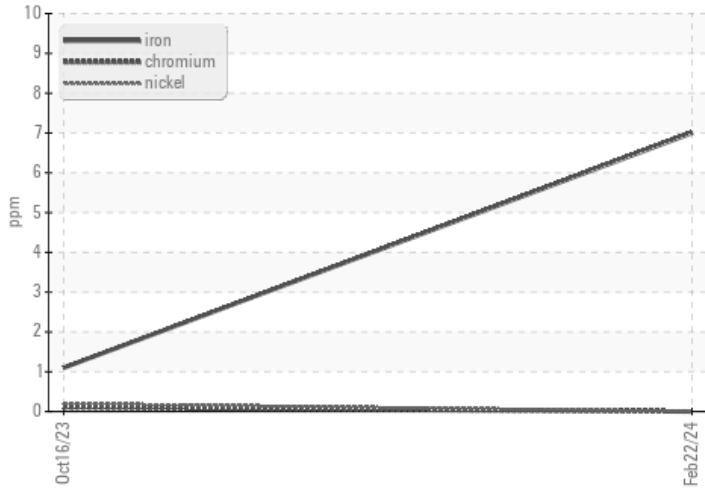


CONSTRUCTION EQUIPMENT

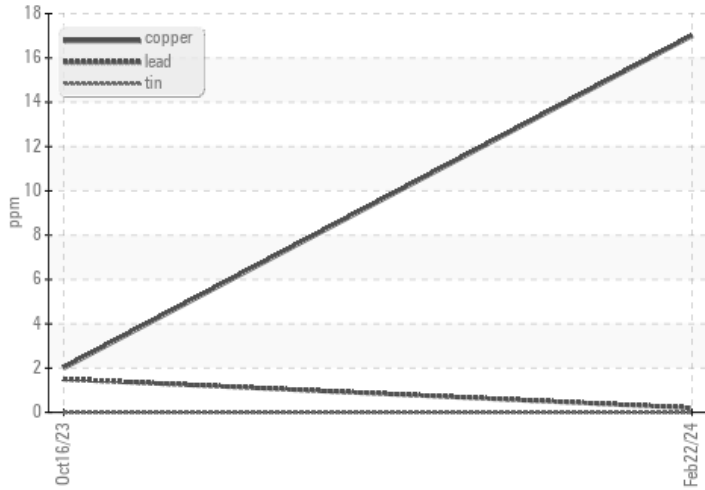


GRAPHS

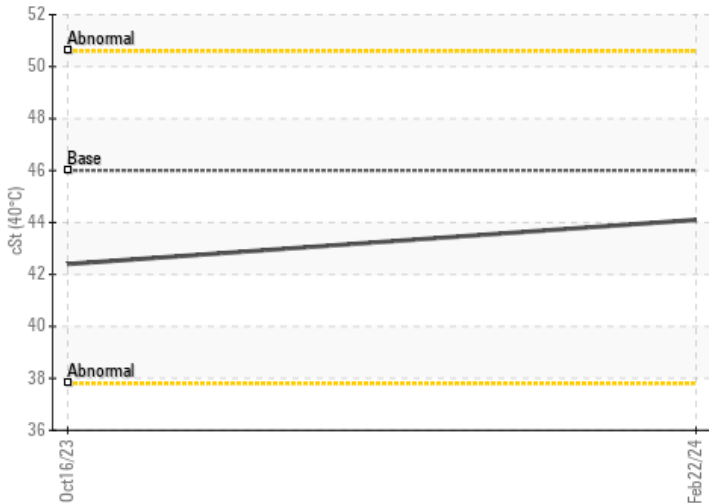
Ferrous Alloys



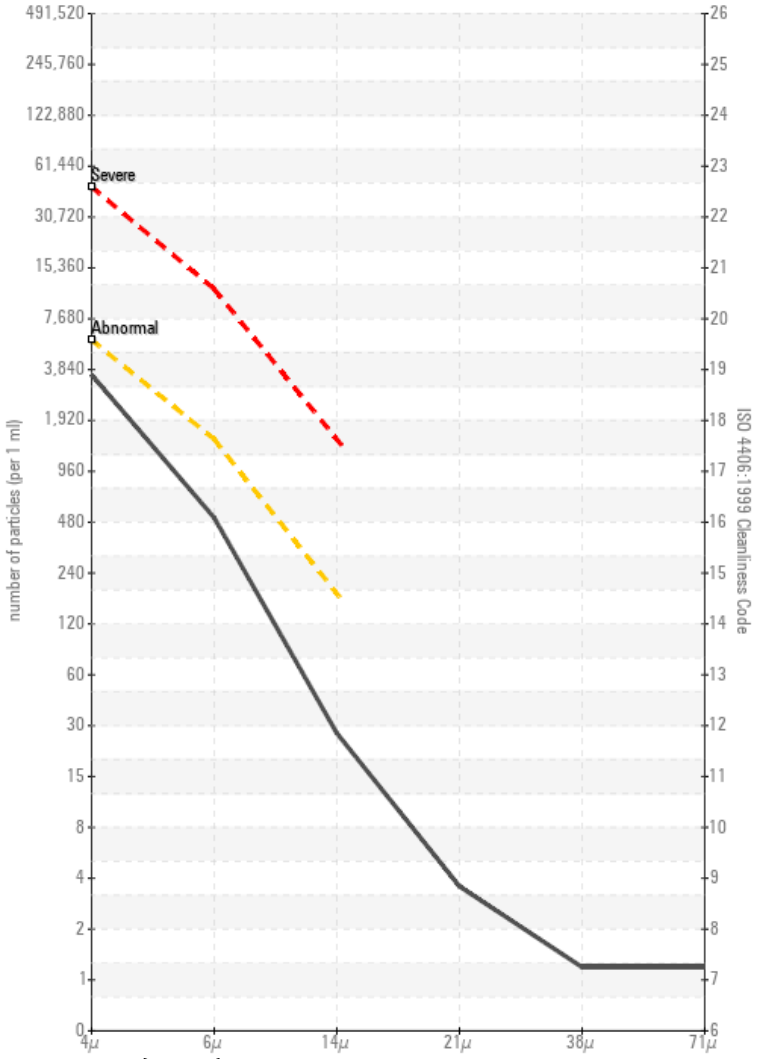
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

