



CONSTRUCTION EQUIPMENT

1316 IAA RANCHO CORD VOLVO L90G 3186 - HYDRAULIC SYSTEM



Sample No: VCP441938
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 1316 IAA RANCHO CORD



SAMPLE INFORMATION

Sample Number	VCP441938	VCP267084	---	---
Sample Date	20 Nov 2023	12 Jun 2020	---	---
Machine Hours	16494	14336	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

VCES- VOLVO CONSTRUCTION EQUIPMENT

8594 FRUITRIDGE ROAD
 SACRAMENTO, CA
 US 95826

Contact: RAY KRANZUSCH
 ray.kranzusch@vcesvolvo.com

T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	41.7	39.6	---	---
Acid Number (AN)	mg KOH/g	0.23	0.318	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		1045	3321	---	---
Particles >6µm		187	859	---	---
Particles >14µm		15	61	---	---
ISO 4406:1999 (c)		17/15/11	19/17/13	---	---
Silicon	ppm	6	12	---	---
Sodium	ppm	0	2	---	---
Potassium	ppm	2	0	---	---

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	8	14	---	---
Copper	ppm	2	3	---	---
Lead	ppm	1	<1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	60	97	---	---
Magnesium	ppm	1	0	---	---
Zinc	ppm	409	519	---	---
Phosphorus	ppm	335	448	---	---
Barium	ppm	4	0	---	---
Boron	ppm	0	1	---	---

Depot: VOLVO4485
Unique No: 10765012
Signed: Wes Davis
Report Date: 30 Nov 2023

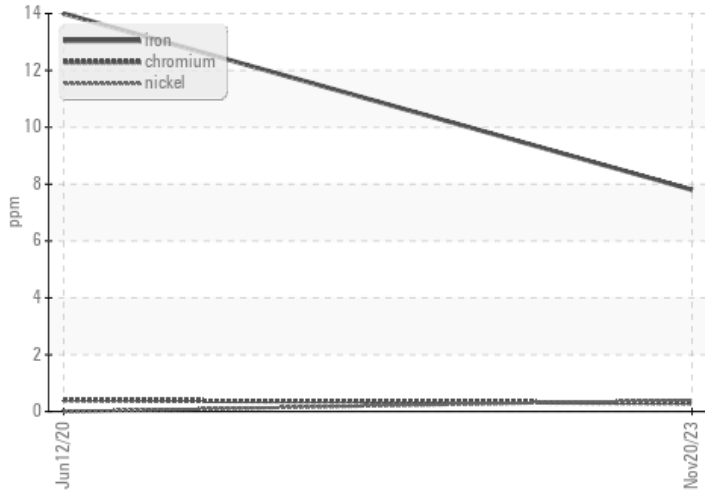


CONSTRUCTION EQUIPMENT

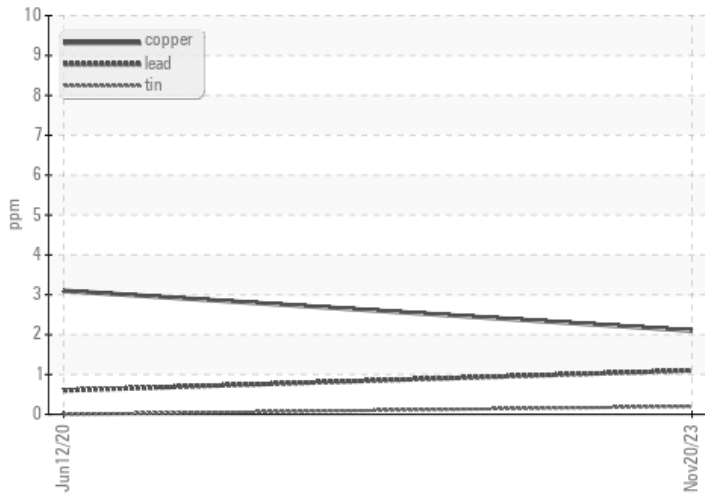


GRAPHS

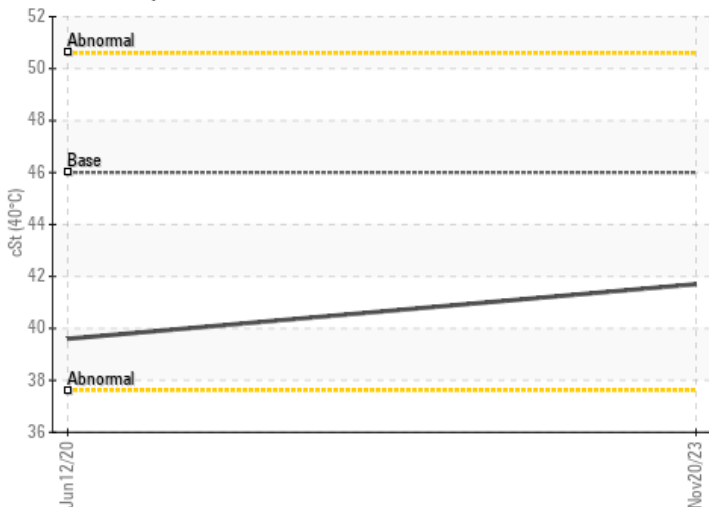
Ferrous Alloys



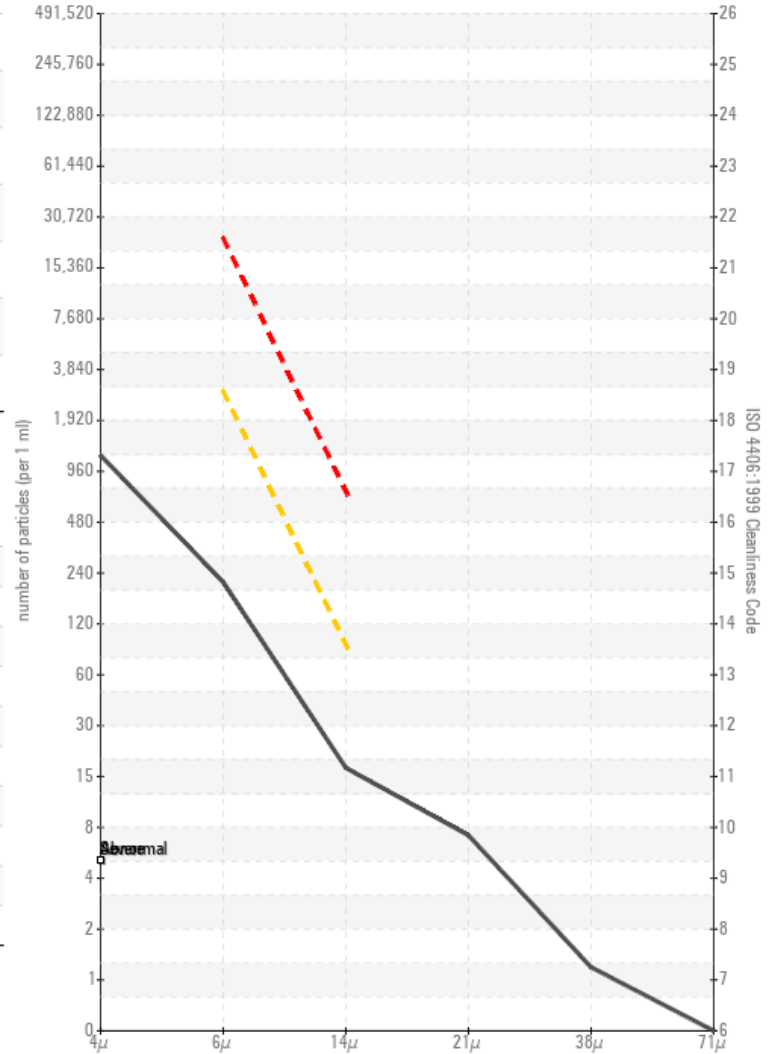
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

