



CONSTRUCTION EQUIPMENT

465090-30 VOLVO EC480EL 315147 - HYDRAULIC SYSTEM



Sample No: VCP455362
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 465090-30



SAMPLE INFORMATION

Sample Number	VCP455362	VCP417662	---	---
Sample Date	02 Jan 2024	21 Aug 2023	---	---
Machine Hours	1748	812	---	---
Oil Hours	0	812	---	---
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: CHRIS GOULET
 cgoulet@altg.com
 T: (813)431-6381
 F: (813)630-2233



OIL CONDITION

Visc @ 40°C	cSt	40.1	41.1	---	---
Acid Number (AN)	mg KOH/g	0.53	0.50	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		6061	12514	---	---
Particles >6µm		1325	1476	---	---
Particles >14µm		81	58	---	---
ISO 4406:1999 (c)		20/18/14	21/18/13	---	---
Silicon	ppm	4	5	---	---
Sodium	ppm	0	2	---	---
Potassium	ppm	0	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	0	1	---	---
Copper	ppm	16	11	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	0	0	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	71	90	---	---
Magnesium	ppm	0	<1	---	---
Zinc	ppm	488	525	---	---
Phosphorus	ppm	362	378	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0093
Unique No: 10861824
Signed: Jonathan Hester
Report Date: 07 Feb 2024

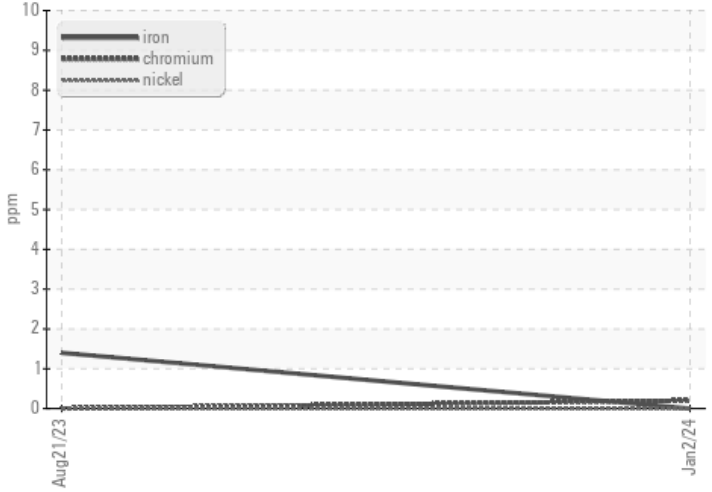


CONSTRUCTION EQUIPMENT

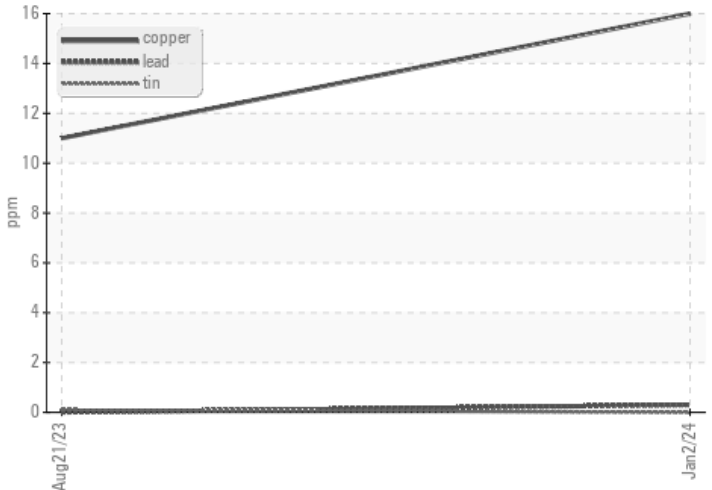


GRAPHS

Ferrous Alloys



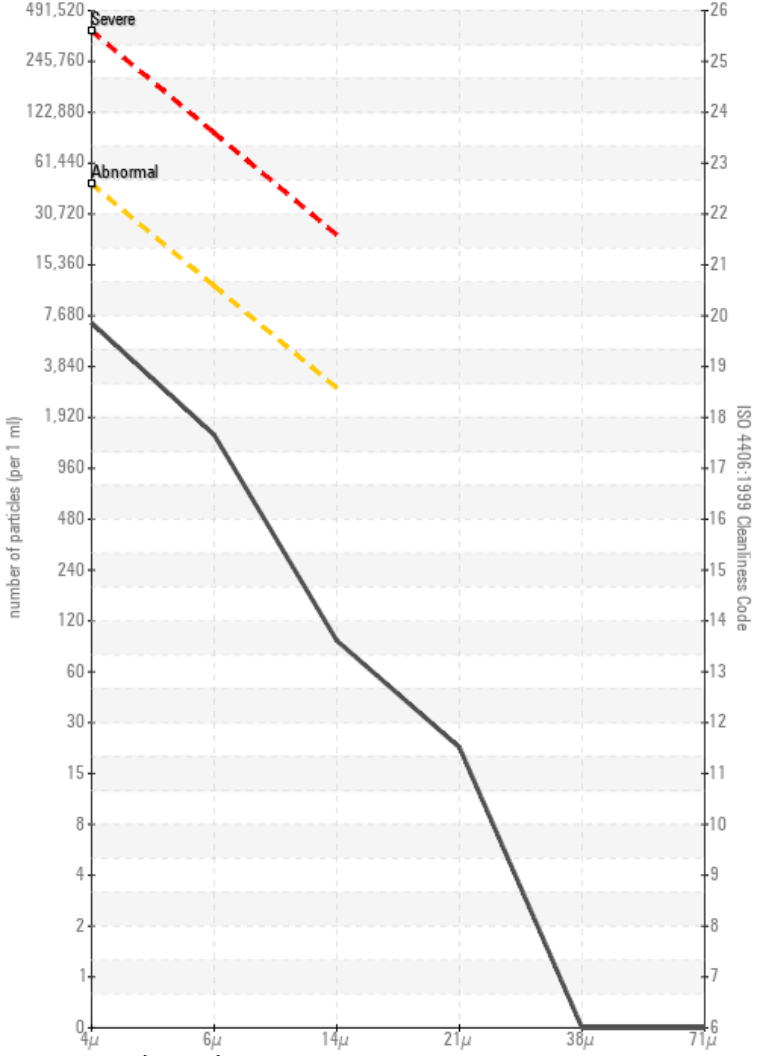
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

