



CONSTRUCTION EQUIPMENT

SWO-072947 VOLVO EC480EL 315428 - HYDRAULIC SYSTEM



Sample No: VCP443964
Oil Type: {unknown}
Job No: SWO-072947



SAMPLE INFORMATION

Sample Number	VCP443964	VCP447580	---	---
Sample Date	21 Jun 2024	19 Dec 2023	---	---
Machine Hours	1013	482	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	41.0	41.8	---	---
Acid Number (AN)	mg KOH/g	0.50	0.48	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		1975	2517	---	---
Particles >6µm		250	93	---	---
Particles >14µm		27	5	---	---
ISO 4406:1999 (c)		18/15/12	19/14/10	---	---
Silicon	ppm	4	3	---	---
Sodium	ppm	<1	0	---	---
Potassium	ppm	1	1	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	2	2	---	---
Copper	ppm	17	9	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	1	---	---
Chromium	ppm	2	<1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	87	84	---	---
Magnesium	ppm	12	12	---	---
Zinc	ppm	572	534	---	---
Phosphorus	ppm	453	439	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: SAIBIR
Unique No: 11099330
Signed: Don Baldrige
Report Date: 27 Jun 2024

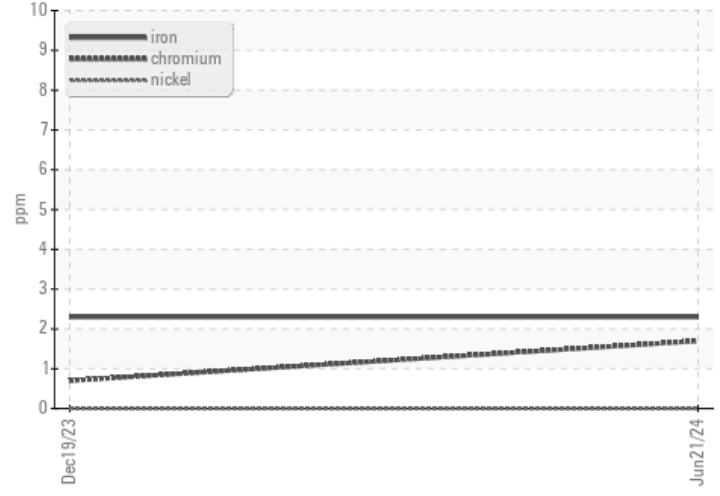


CONSTRUCTION EQUIPMENT

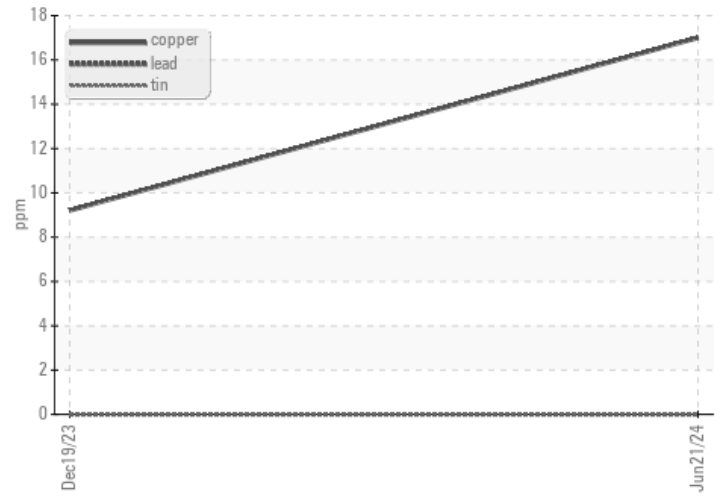


GRAPHS

Ferrous Alloys



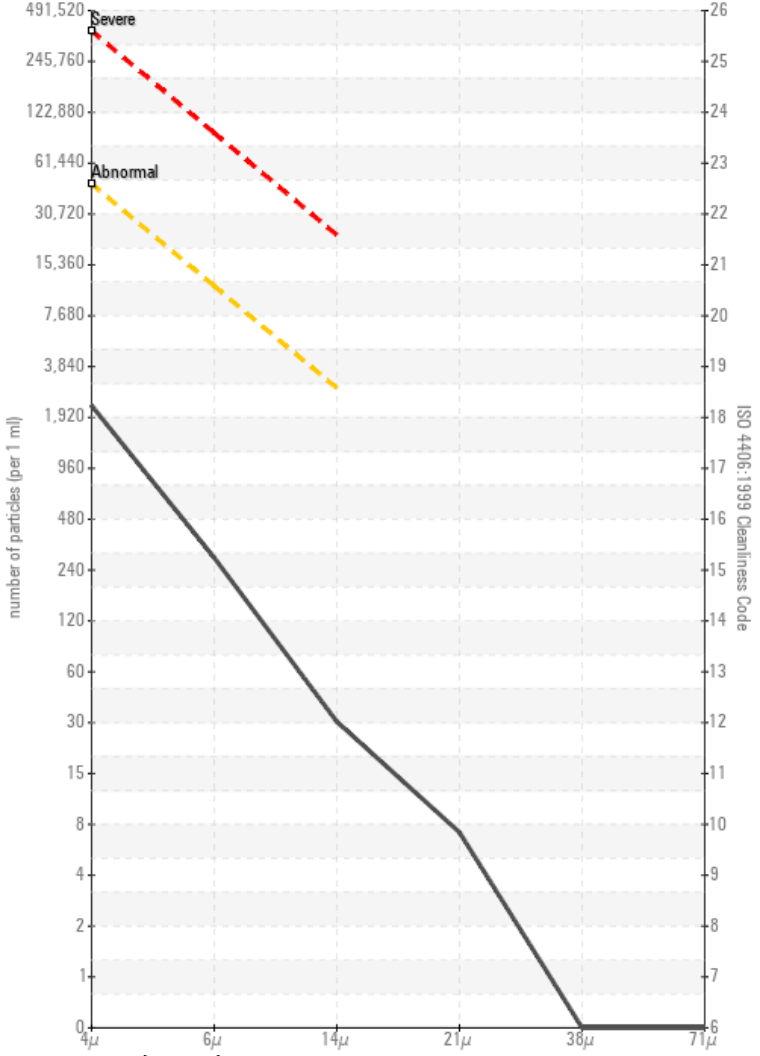
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

