



CONSTRUCTION EQUIPMENT

661880 MOSAIC VOLVO EC480EL 315030 - HYDRAULIC SYSTEM



Sample No: VCP452271
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 661880 MOSAIC



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SAMPLE INFORMATION

Sample Number	VCP452271	VCP426239	---	---
Sample Date	31 Jan 2024	29 Sep 2023	---	---
Machine Hours	1027	584	---	---
Oil Hours	1027	584	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	ATTENTION	---	---



OIL CONDITION

Visc @ 40°C	cSt	42.1	42.4	---	---
Acid Number (AN)	mg KOH/g	1.01	0.51	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		5485	42172	---	---
Particles >6µm		393	6268	---	---
Particles >14µm		21	128	---	---
ISO 4406:1999 (c)		20/16/12	23/20/14	---	---
Silicon	ppm	6	5	---	---
Sodium	ppm	2	1	---	---
Potassium	ppm	1	2	---	---



WEAR METALS

Iron	ppm	2	0	---	---
Copper	ppm	17	13	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	84	92	---	---
Magnesium	ppm	1	4	---	---
Zinc	ppm	556	605	---	---
Phosphorus	ppm	408	439	---	---
Barium	ppm	0	0	---	---
Boron	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.

Depot: VOLVO0093
Unique No: 10901138
Signed: Wes Davis
Report Date: 29 Feb 2024

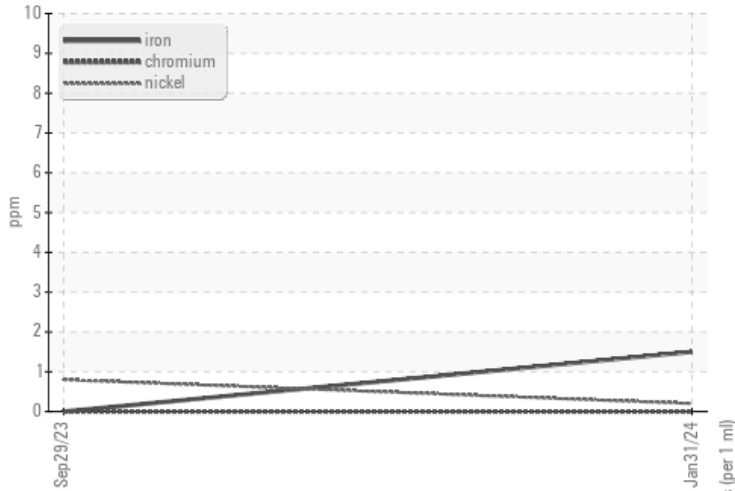


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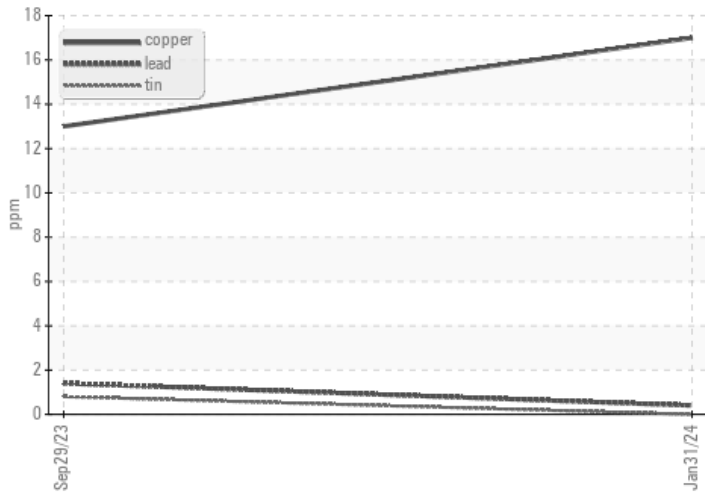


GRAPHS

Ferrous Alloys



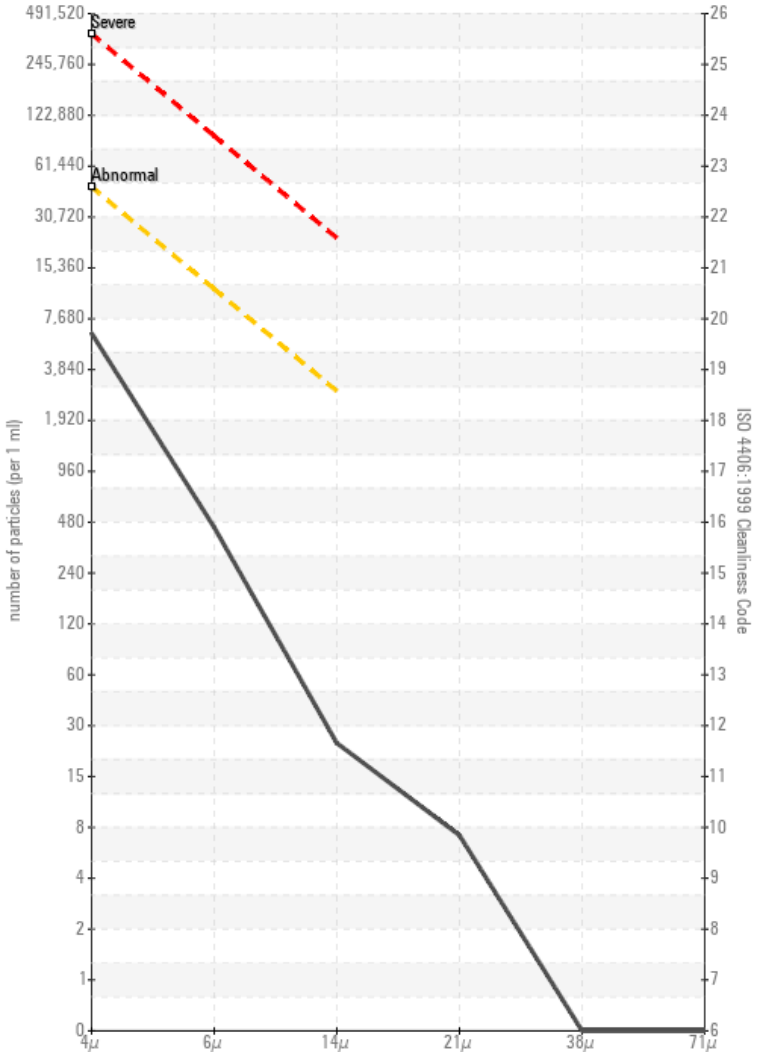
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

