



CONSTRUCTION EQUIPMENT

SPM702824 RENTAL - HYDRAULIC SYSTEM



Sample No: VCP454794
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM702824 RENTAL



SAMPLE INFORMATION

Sample Number	VCP454794	VCP395914	---	---
Sample Date	29 Apr 2024	27 Apr 2023	---	---
Machine Hours	1209	484	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	42.0	42.9	---	---
Acid Number (AN)	mg KOH/g	0.50	0.47	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		4602	6971	---	---
Particles >6µm		558	1935	---	---
Particles >14µm		48	110	---	---
ISO 4406:1999 (c)		19/16/13	20/18/14	---	---
Silicon	ppm	2	2	---	---
Sodium	ppm	<1	0	---	---
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	<1	0	---	---
Copper	ppm	22	14	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

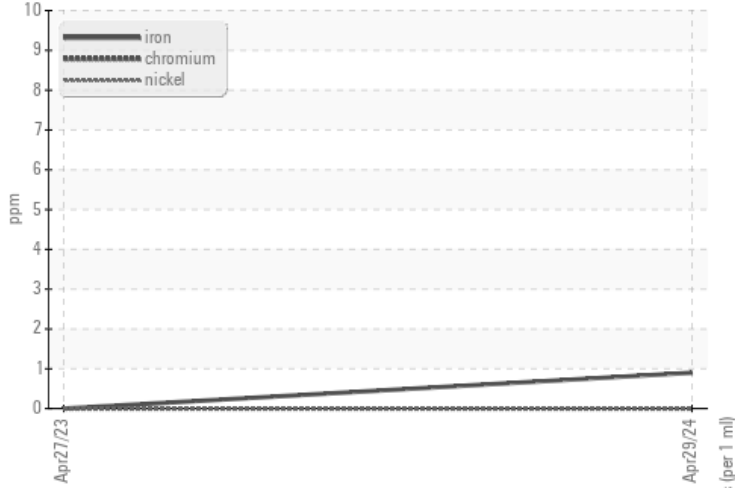
Calcium	ppm	69	44	---	---
Magnesium	ppm	0	0	---	---
Zinc	ppm	480	482	---	---
Phosphorus	ppm	382	370	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0095
Unique No: 11009027
Signed: Wes Davis
Report Date: 06 May 2024

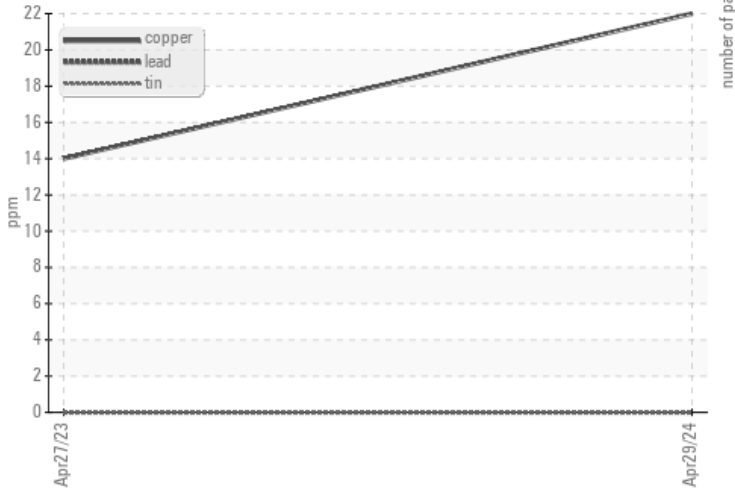


GRAPHS

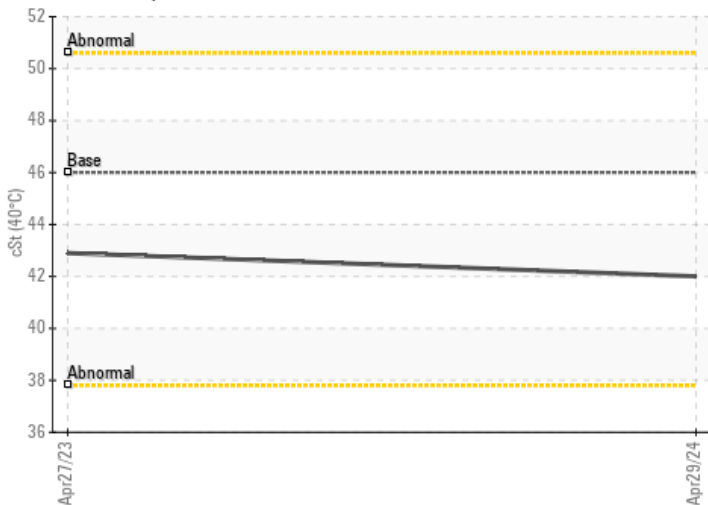
Ferrous Alloys



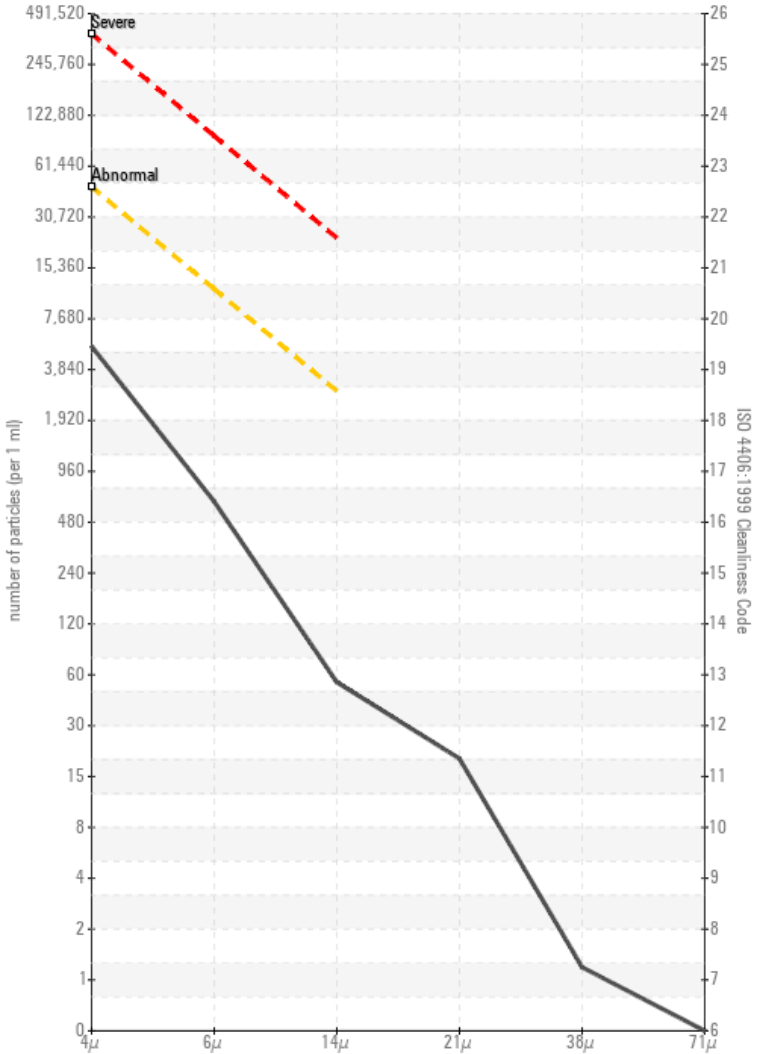
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

