



CONSTRUCTION EQUIPMENT

TUCKER PAVING VOLVO ECR58D 2 10864 - HYDRAULIC SYSTEM



Sample No: VCP440012
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: TUCKER PAVING



SAMPLE INFORMATION

Sample Number	VCP440012	VCP422913	VCP353519	---
Sample Date	13 Feb 2024	14 Jul 2023	11 Aug 2022	---
Machine Hours	2050	1534	670	---
Oil Hours	0	1534	500	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	43.6	43.5	43.8	---
Acid Number (AN)	mg KOH/g	0.42	0.45	0.38	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		8562	7625	---	---
Particles >6µm		2507	1978	---	---
Particles >14µm		167	185	---	---
ISO 4406:1999 (c)		20/19/15	20/18/15	---	---
Silicon	ppm	<1	<1	1	---
Sodium	ppm	<1	<1	0	---
Potassium	ppm	0	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	3	2	2	---
Copper	ppm	6	6	5	---
Lead	ppm	<1	0	<1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	0	2	<1	---
Chromium	ppm	0	0	0	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	<1	0	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	84	86	85	---
Magnesium	ppm	1	<1	0	---
Zinc	ppm	436	442	499	---
Phosphorus	ppm	371	360	388	---
Barium	ppm	<1	0	0	---
Boron	ppm	0	0	2	---

Depot: VOLVO0093
Unique No: 11018626
Signed: Wes Davis
Report Date: 09 May 2024

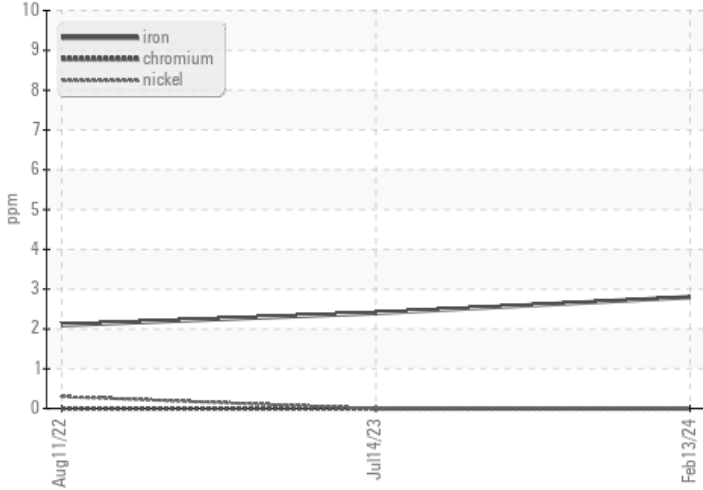


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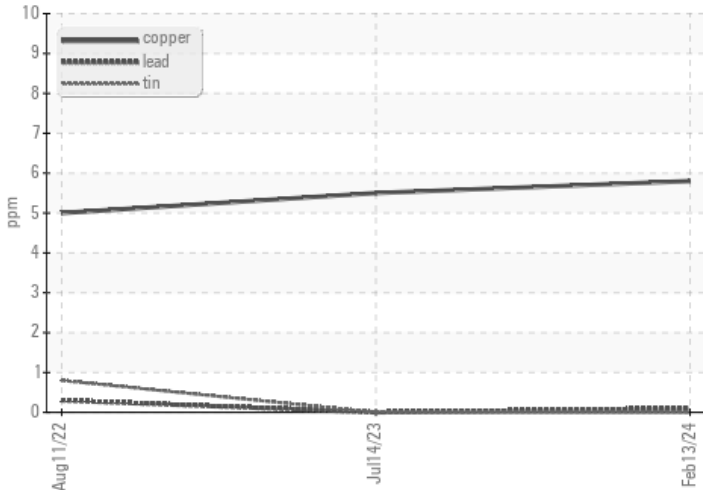


VOLVO GRAPHS

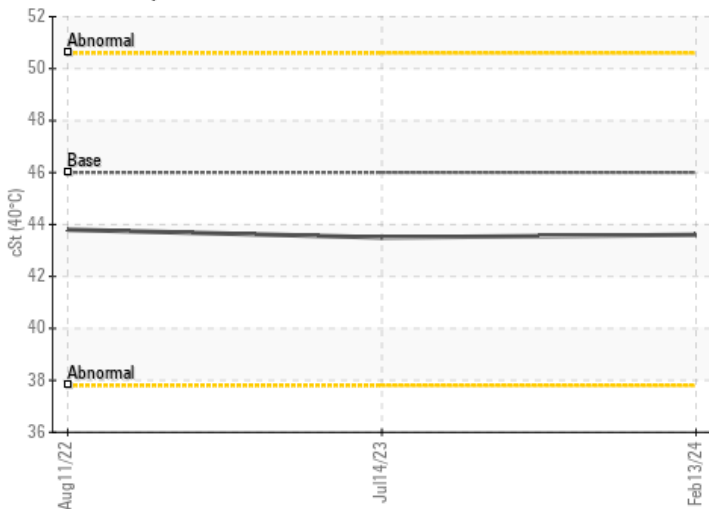
Ferrous Alloys



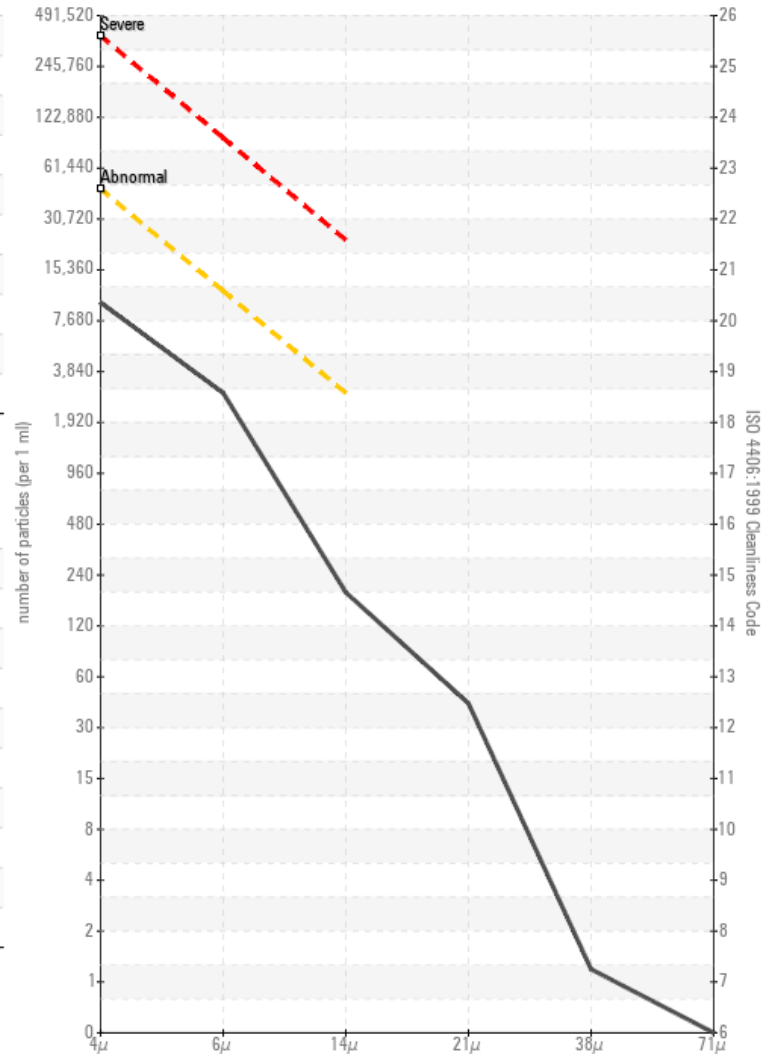
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

