



CONSTRUCTION EQUIPMENT

568333 TUCKER PAVING VOLVO ECR58D 2 10864 - HYDRAULIC SYSTEM



Sample No: VCP422913
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 568333 TUCKER PAVING



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SAMPLE INFORMATION

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



OIL CONDITION

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



CONTAMINATION

Particles >4µm		7625	---	---	---
Particles >6µm		1978	---	---	---
Particles >14µm		185	---	---	---
ISO 4406:1999 (c)		20/18/15	---	---	---
Silicon	ppm	<1	1	---	---
Sodium	ppm	<1	0	---	---
Potassium	ppm	0	0	---	---



WEAR METALS

Iron	ppm	2	2	---	---
Copper	ppm	6	5	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	<1	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

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

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: 10602075
Signed: Wes Davis
Report Date: 14 Aug 2023

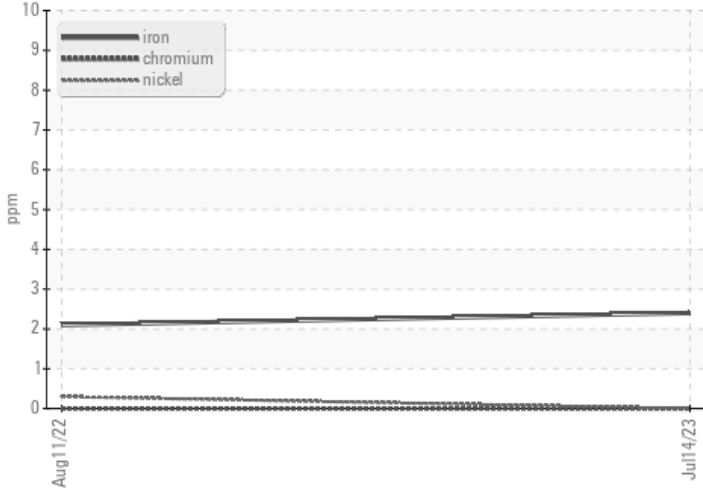


CONSTRUCTION EQUIPMENT

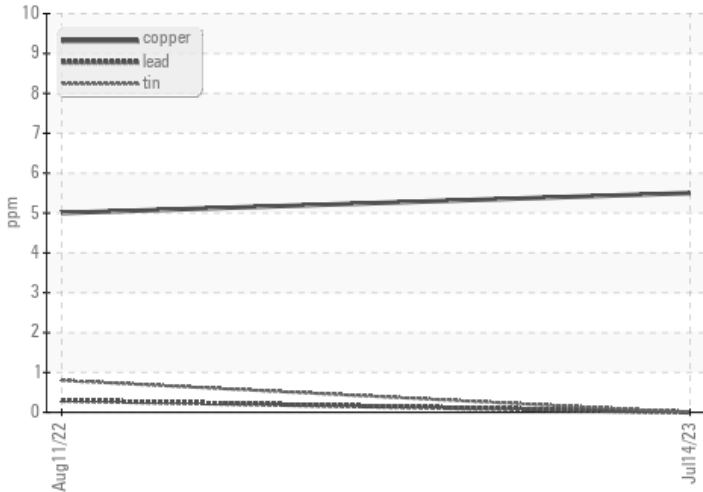


GRAPHS

Ferrous Alloys



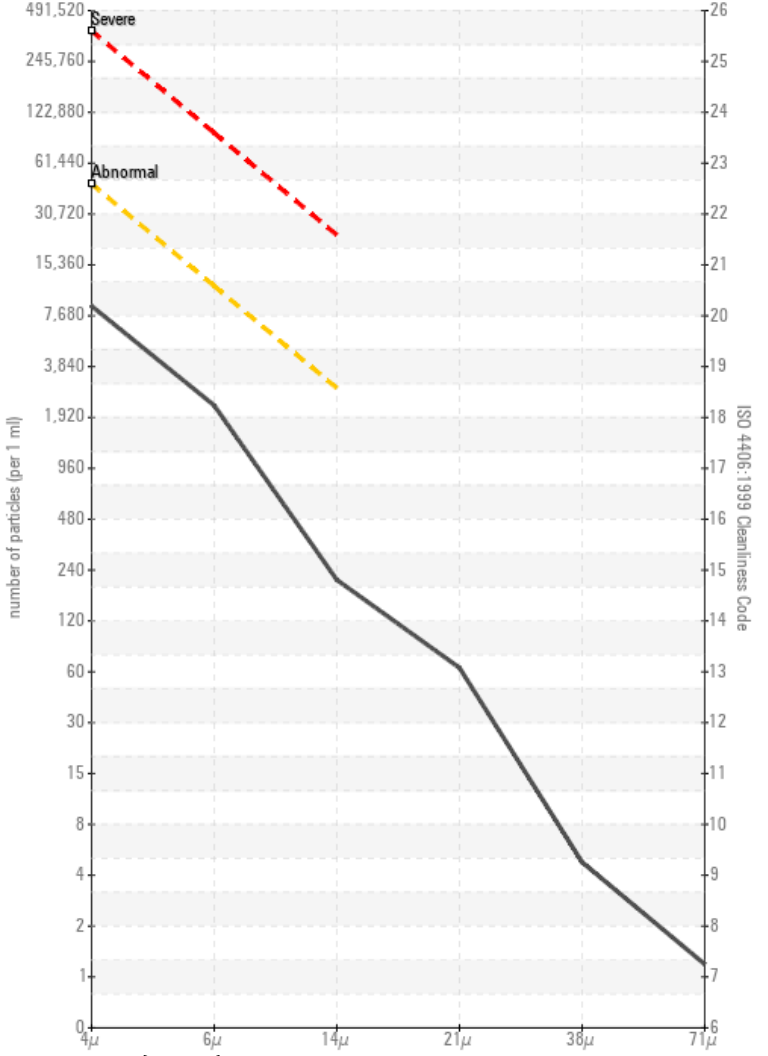
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

