



CONSTRUCTION EQUIPMENT

SPM567503 SCORIA HITACHI ZW250-6 ZW2506-005232 - HYDRAULIC SYSTEM



Sample No: VCP369258
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM567503 SCORIA



SAMPLE INFORMATION

Sample Number	VCP369258	VCP404885	---	---
Sample Date	20 Jun 2023	28 Mar 2023	---	---
Machine Hours	4504	3973	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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 5000 INDUSTRIAL HWY
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 F:

OIL CONDITION

Visc @ 40°C	cSt	█ 46.2	█ 37.6	---	---
Acid Number (AN)	mg KOH/g	█ 0.13	█ 0.741	---	---

CONTAMINATION

Particles >4µm		▲ 11717	█ 1279	---	---
Particles >6µm		▲ 3444	█ 312	---	---
Particles >14µm		▲ 195	█ 33	---	---
ISO 4406:1999 (c)		21/19/15	17/15/12	---	---
Silicon	ppm	█ 1	█ <1	---	---
Sodium	ppm	█ <1	█ 5	---	---
Potassium	ppm	█ <1	█ 0	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present 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	█ 6	█ 3	---	---
Copper	ppm	█ 1	█ 4	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 0	█ <1	---	---
Chromium	ppm	█ <1	█ 0	---	---
Molybdenum	ppm	█ <1	█ 0	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 37	738	---	---
Magnesium	ppm	█ 0	█ 7	---	---
Zinc	ppm	█ 44	█ 530	---	---
Phosphorus	ppm	█ 440	█ 432	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 0	█ 0	---	---

Depot: VOLVO8885
Unique No: 10548655
Signed: Doug Bogart
Report Date: 10 Jul 2023

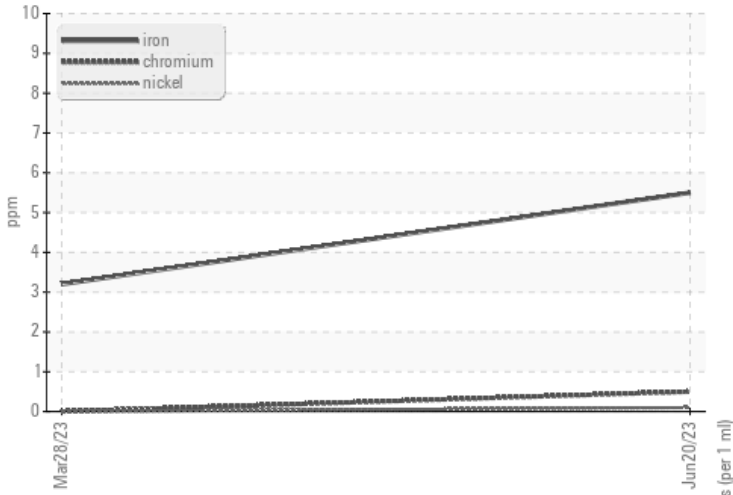


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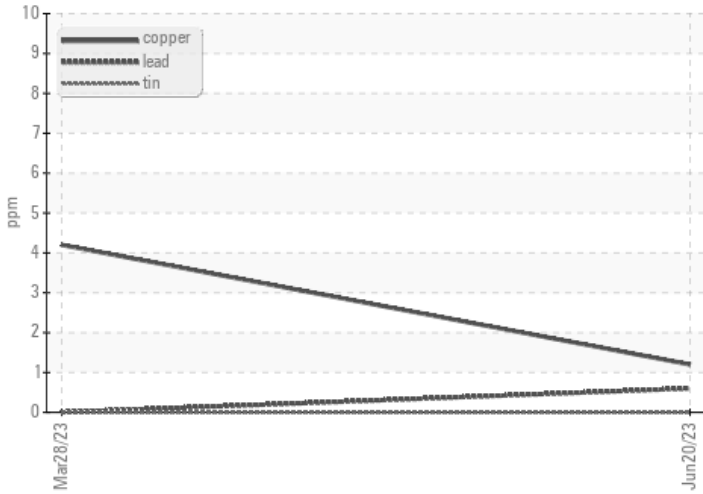


GRAPHS

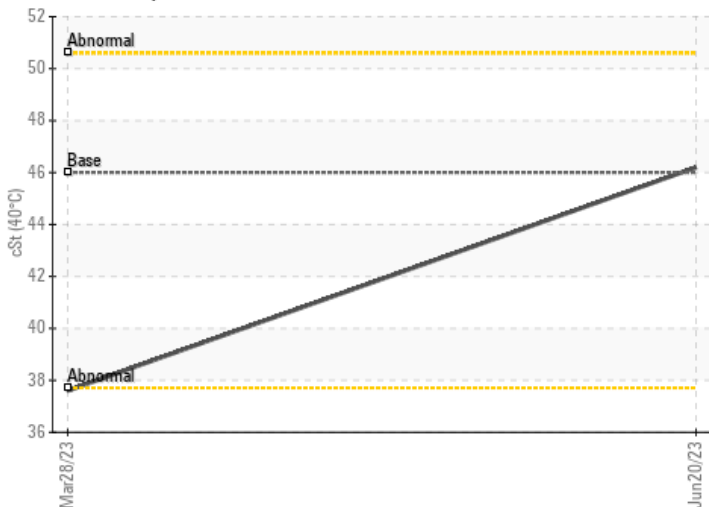
Ferrous Alloys



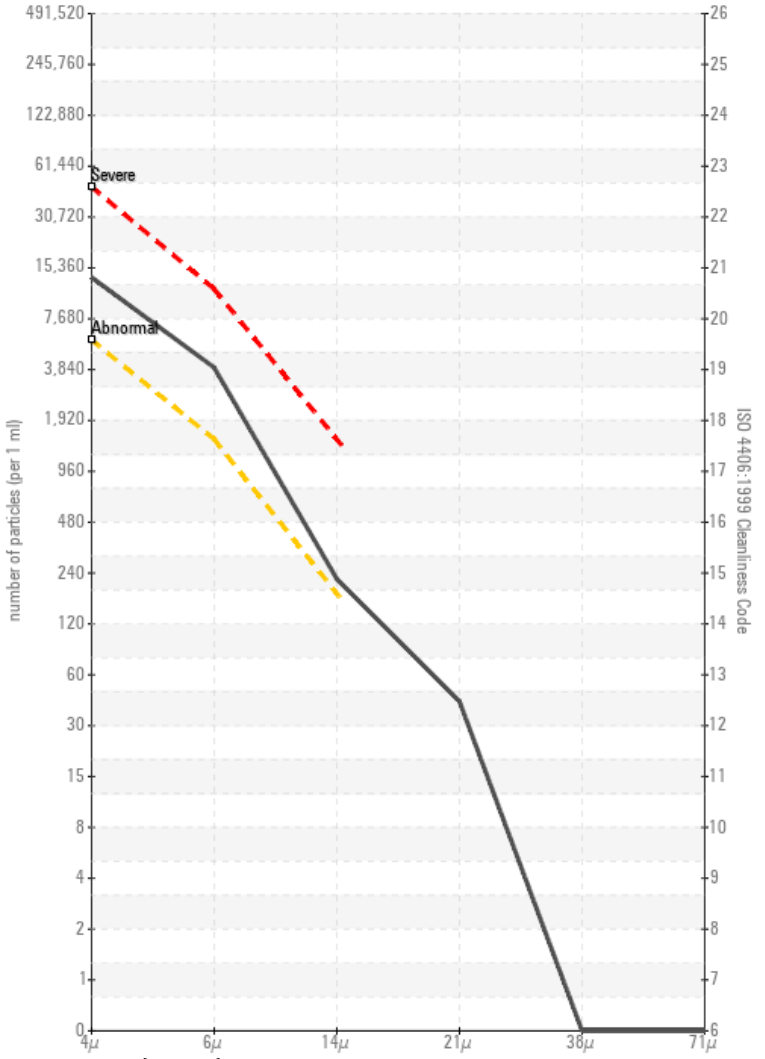
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

