



CONSTRUCTION EQUIPMENT

VINCI 392569 VOLVO EC480EL 314955 - HYDRAULIC SYSTEM



Sample No: VCP392872
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 392569



SAMPLE INFORMATION

Sample Number	VCP392872	---	---	---
Sample Date	26 Jan 2024	---	---	---
Machine Hours	3985	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIPMENT--CALGARY

7923 54TH STREET SE
CALGARY, AB
CA T2C 4R7

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OIL CONDITION

Visc @ 40°C	cSt	▲ 37.3	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		■ 9526	---	---	---
Particles >6µm		■ 800	---	---	---
Particles >14µm		■ 46	---	---	---
ISO 4406:1999 (c)		20/17/13	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 1	---	---	---

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. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	■ 5	---	---	---
Copper	ppm	■ 16	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 4	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 85	---	---	---
Magnesium	ppm	■ 1	---	---	---
Zinc	ppm	■ 361	---	---	---
Phosphorus	ppm	■ 399	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO3909
Unique No: 5733794
Signed: Kevin Marson
Report Date: 23 Feb 2024

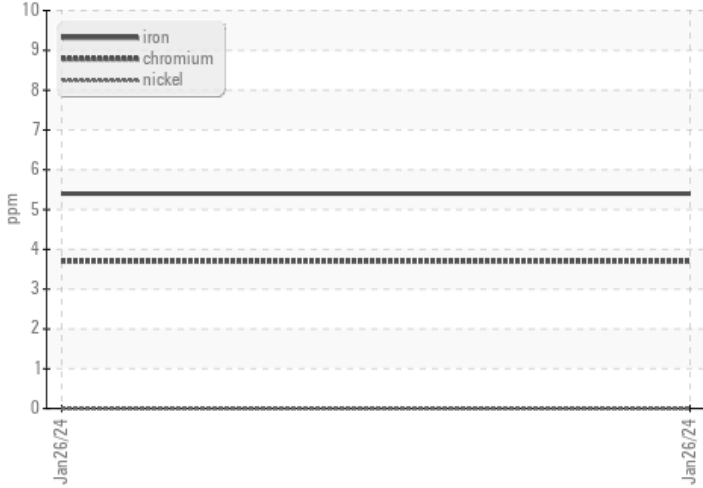


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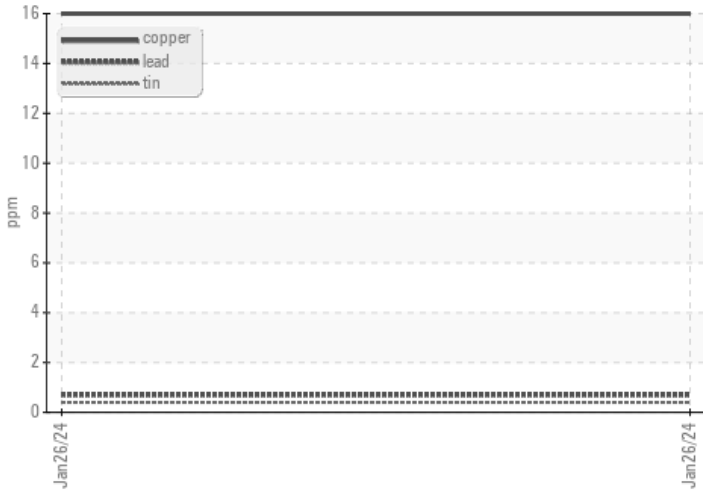


GRAPHS

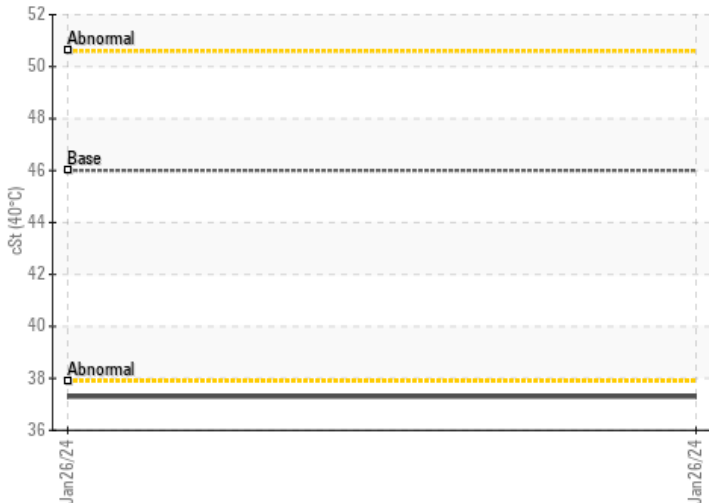
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

