



CONSTRUCTION EQUIPMENT

SW1013502 THOROBRED JCB 506C 1184386 - HYDRAULIC SYSTEM



Sample No: VCP382260
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SW1013502 THOROBRED



SAMPLE INFORMATION

Sample Number	VCP382260	VCP342559	---	---
Sample Date	01 Feb 2023	30 Nov 2021	---	---
Machine Hours	0	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 41.6	█ 41.3	---	---
Acid Number (AN)	mg KOH/g	█ 0.34	█ 0.238	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		▲ 44813	▲ 29759	---	---
Particles >6µm		▲ 11861	▲ 4419	---	---
Particles >14µm		▲ 634	▲ 276	---	---
ISO 4406:1999 (c)		23/21/16	22/19/15	---	---
Silicon	ppm	█ 11	█ 9	---	---
Sodium	ppm	█ 2	█ 2	---	---
Potassium	ppm	█ 0	█ 0	---	---

Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. 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	█ 3	█ 3	---	---
Copper	ppm	█ 2	█ 3	---	---
Lead	ppm	█ <1	█ 2	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 1	█ <1	---	---
Chromium	ppm	█ 0	█ 0	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ 0	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 88	█ 68	---	---
Magnesium	ppm	█ 6	█ 2	---	---
Zinc	ppm	█ 413	█ 376	---	---
Phosphorus	ppm	█ 350	█ 341	---	---
Barium	ppm	█ <1	█ 0	---	---
Boron	ppm	█ 0	█ 3	---	---

Depot: VOLVO6174
Unique No: 10332958
Signed: Don Baldrige
Report Date: 10 Feb 2023

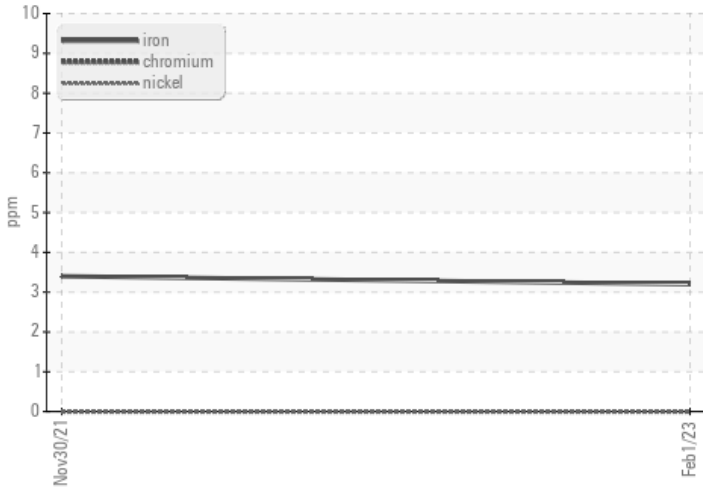


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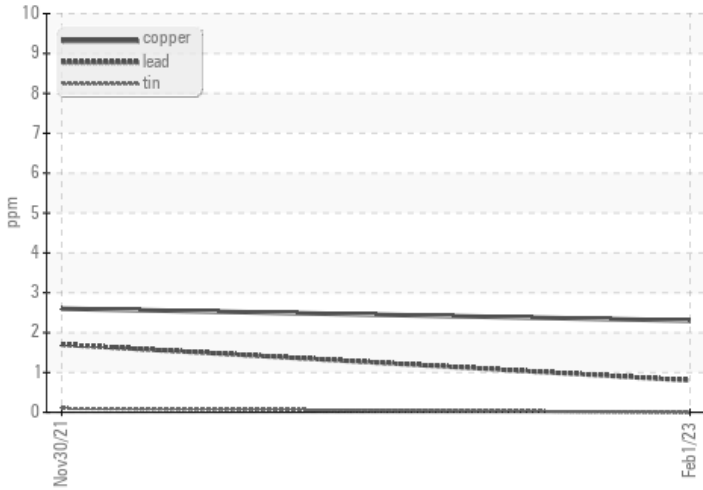


VOLVO GRAPHS

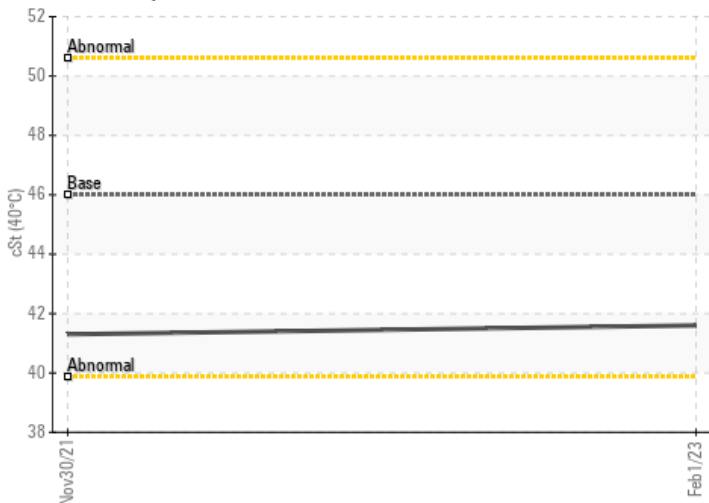
Ferrous Alloys



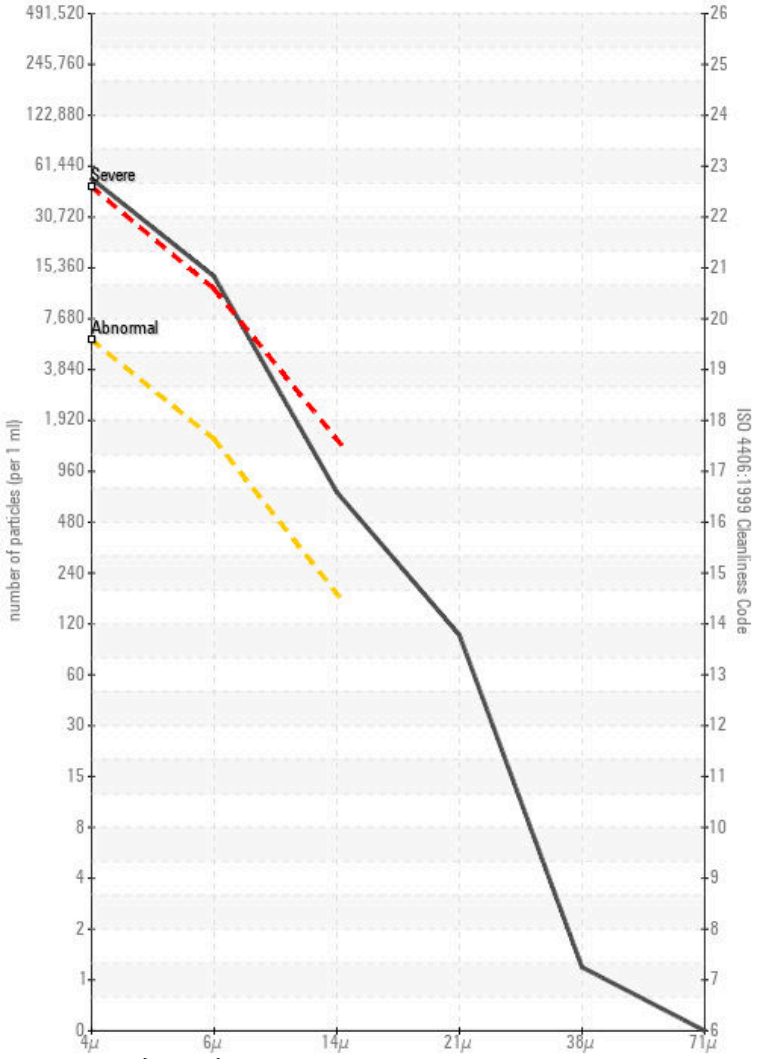
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

