



CONSTRUCTION EQUIPMENT

381835 XCMG XE360U THKAO0106 - HYDRAULIC SYSTEM



Sample No: VCP394376
Oil Type: AW HYDRAULIC OIL ISO 68
Job No: 381835



SAMPLE INFORMATION

Sample Number	VCP394376	---	---	---
Sample Date	14 Nov 2023	---	---	---
Machine Hours	4022	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIPMENT-EDMONTON

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Acheson, AB

CA T7X 6C2

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OIL CONDITION

Visc @ 40°C	cSt	▲ 29.3	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		■ 2671	---	---	---
Particles >6µm		■ 334	---	---	---
Particles >14µm		■ 13	---	---	---
ISO 4406:1999 (c)		19/16/11	---	---	---
Silicon	ppm	■ 2	---	---	---
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	■ 3	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 177	---	---	---
Magnesium	ppm	■ 7	---	---	---
Zinc	ppm	■ 345	---	---	---
Phosphorus	ppm	■ 292	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 1	---	---	---

Depot: VOLVO3908

Unique No: 5694076

Signed: Kevin Marson

Report Date: 07 Dec 2023

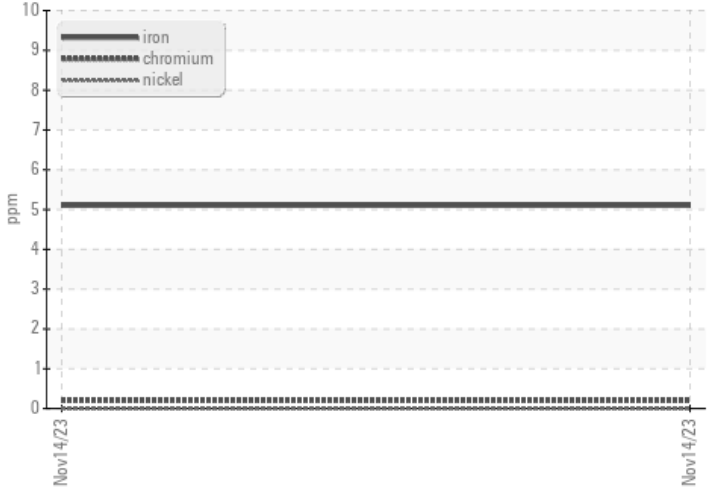


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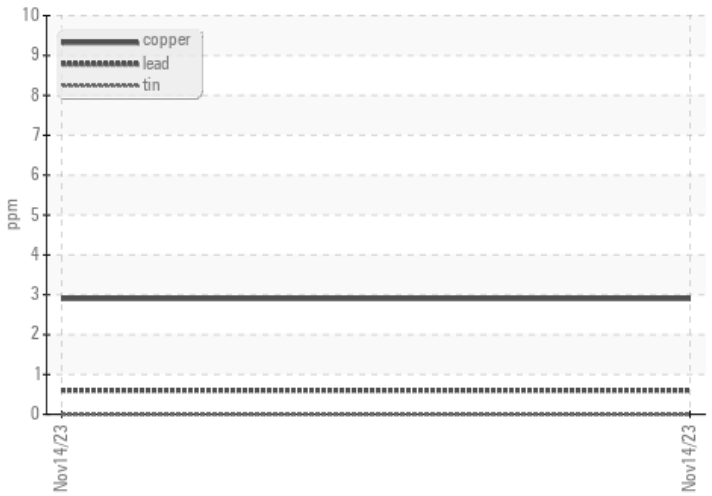


GRAPHS

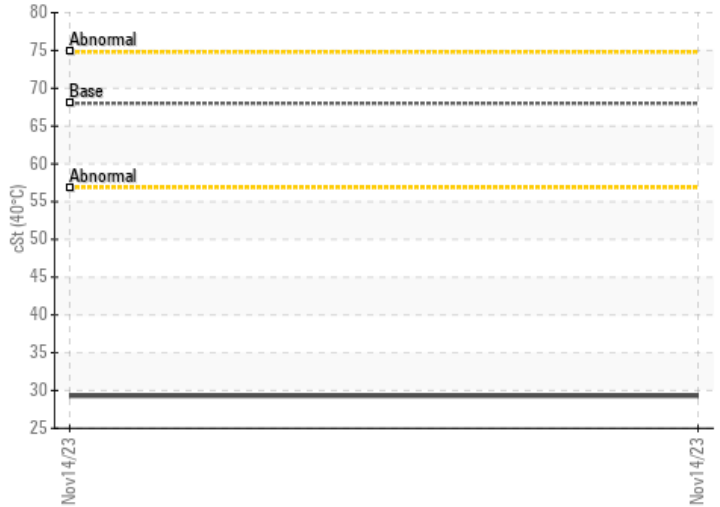
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

