



CONSTRUCTION EQUIPMENT

SPM622031 GENIE Z45/25 Z452515A-53624 - HYDRAULIC SYSTEM



Sample No: VCP432944
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM622031



SAMPLE INFORMATION

Sample Number	VCP432944	---	---	---
Sample Date	01 Nov 2023	---	---	---
Machine Hours	2477	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT COMPANY

1061 STEPKE COURT
 TRAVERSE CITY, MI
 US 49685
 Contact: KEVIN DOHM
 kevin.dohm@altaequipment.com
 T: (231)943-3700
 F: (231)943-8110

OIL CONDITION

Visc @ 40°C	cSt	■ 38.4	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.27	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		■ 1201	---	---	---
Particles >6µm		■ 265	---	---	---
Particles >14µm		■ 38	---	---	---
ISO 4406:1999 (c)		17/15/12	---	---	---
Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 0	---	---	---

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.

WEAR METALS

Iron	ppm	■ 2	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	■ 121	---	---	---
Magnesium	ppm	■ 0	---	---	---
Zinc	ppm	■ 429	---	---	---
Phosphorus	ppm	■ 478	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO8501
Unique No: 10751452
Signed: Wes Davis
Report Date: 21 Nov 2023

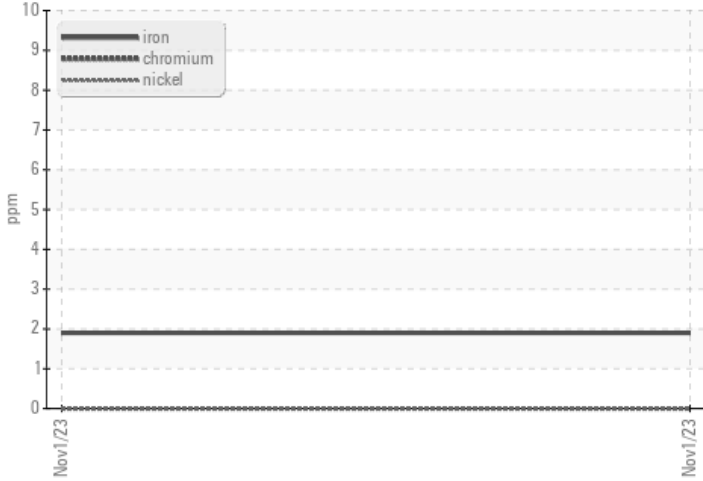


CONSTRUCTION EQUIPMENT

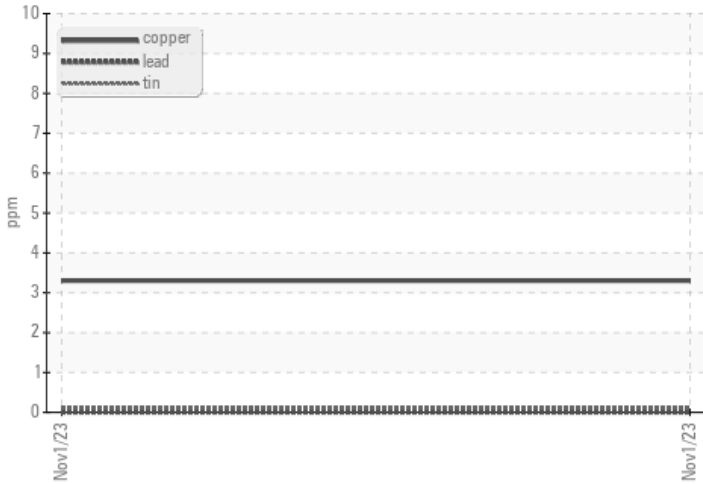


VOLVO GRAPHS

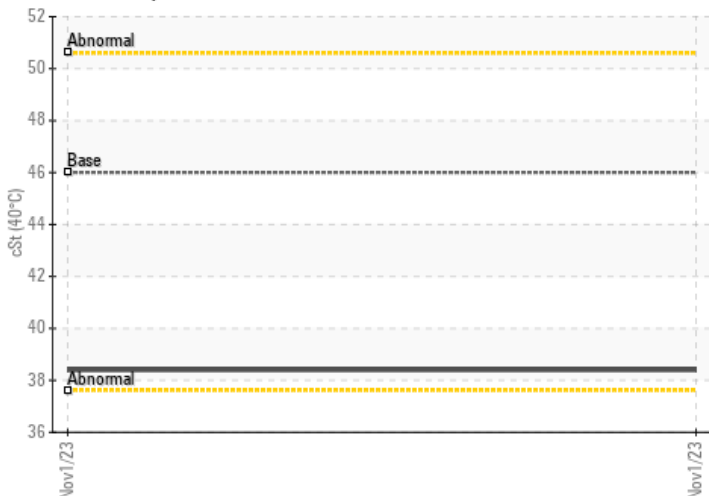
Ferrous Alloys



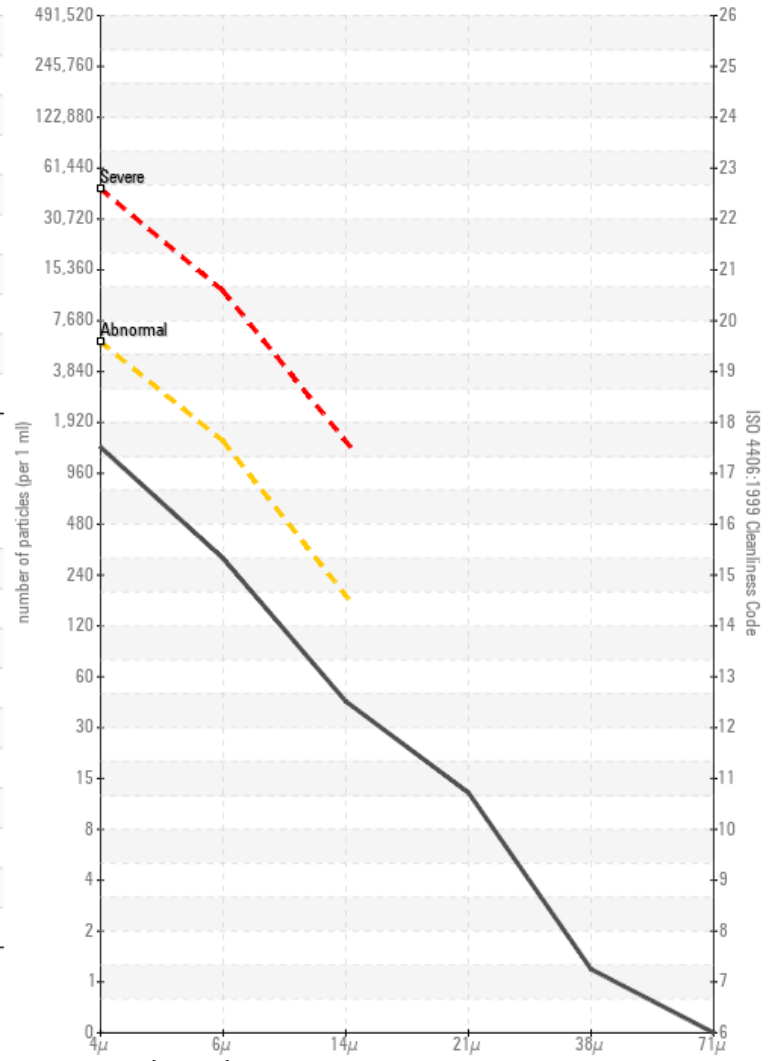
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

