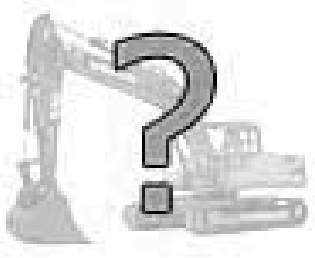
CONSTRUCTION EQUIPMENT

W07013732-1 CEC AVANT 745 7136013748 - HYDRAULIC SYSTEM

Sample No: VCP432685
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: W07013732-1 CEC



MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
1345 MOUNTAIN ROAD
GLEN ALLEN, VA
US 23060
Contact: KYLE RATLIFFE
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T:
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SAMPLE INFORMATION

Sample Number		**VCP432685**	VCP391465	---	---
Sample Date		**10 Nov 2023**	27 Oct 2022	---	---
Machine Hours		**1504**	1256	---	---
Oil Hours		**0**	0	---	---
Oil Changed		**Changed**	Changed	---	---
Sample Status		**ABNORMAL**	ABNORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	**42.6**	39.6	---	---
Acid Number (AN)	mg KOH/g	**0.30**	0.498	---	---

CONTAMINATION

Particles >4µm		**56590**	159721	---	---
Particles >6µm		**3455**	21419	---	---
Particles >14µm		**20**	54	---	---
ISO 4406:1999 (c)		**23/19/11**	24/22/13	---	---
Silicon	ppm	**4**	9	---	---
Sodium	ppm	**<1**	0	---	---
Potassium	ppm	**<1**	2	---	---

WEAR METALS

Iron	ppm	**33**	78	---	---
Copper	ppm	**1**	3	---	---
Lead	ppm	**0**	1	---	---
Tin	ppm	**0**	0	---	---
Aluminum	ppm	**<1**	3	---	---
Chromium	ppm	**<1**	<1	---	---
Molybdenum	ppm	**<1**	<1	---	---
Nickel	ppm	**0**	0	---	---
Titanium	ppm	**0**	0	---	---
Silver	ppm	**0**	0	---	---
Manganese	ppm	**<1**	2	---	---
Vanadium	ppm	**<1**	0	---	---

ADDITIVES

Calcium	ppm	**71**	57	---	---
Magnesium	ppm	**6**	<1	---	---
Zinc	ppm	**470**	407	---	---
Phosphorus	ppm	**356**	340	---	---
Barium	ppm	**0**	2	---	---
Boron	ppm	**0**	8	---	---

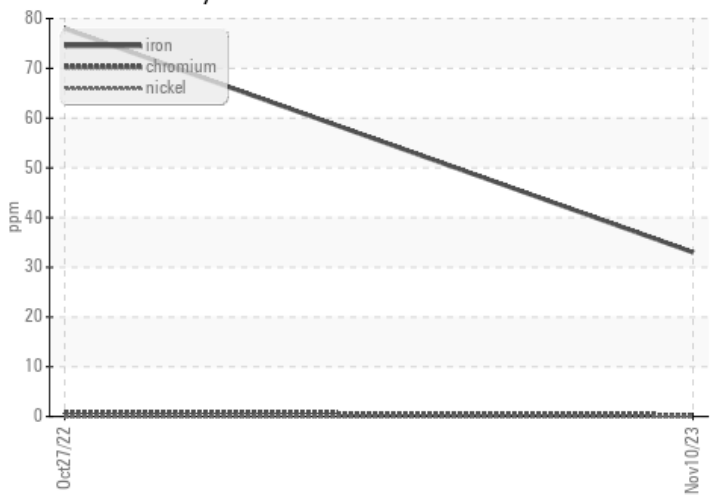
Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.The iron level is abnormal. All other component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

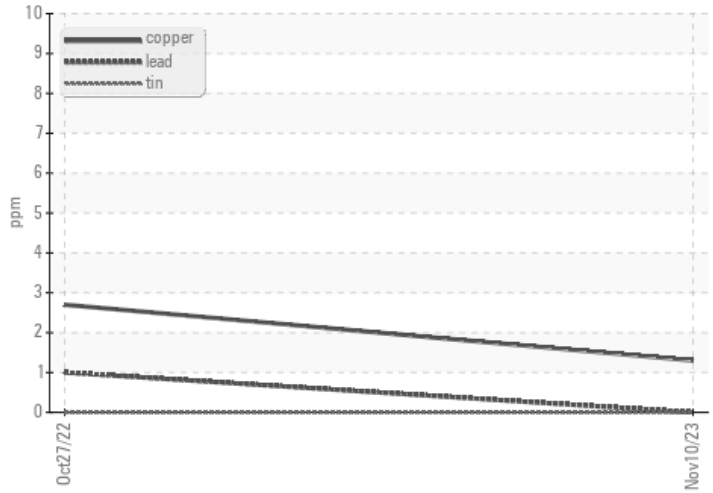
Depot: VOLVO8882
Unique No: 10742034
Signed: Don Baldridge
Report Date: 17 Nov 2023

GRAPHS

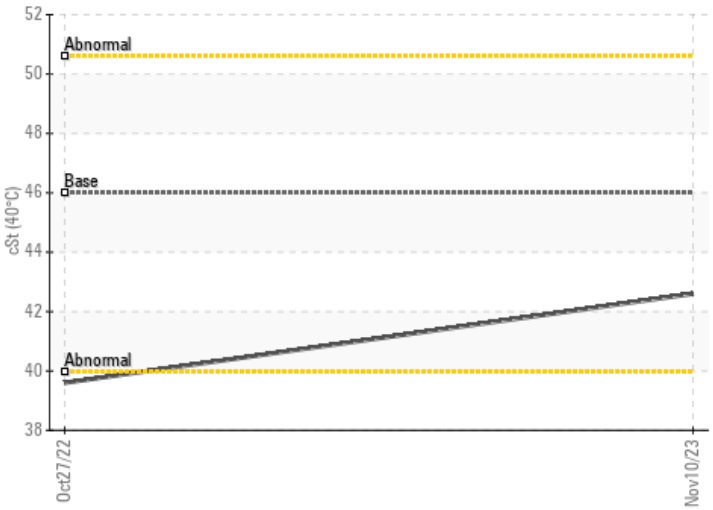
Ferrous Alloys



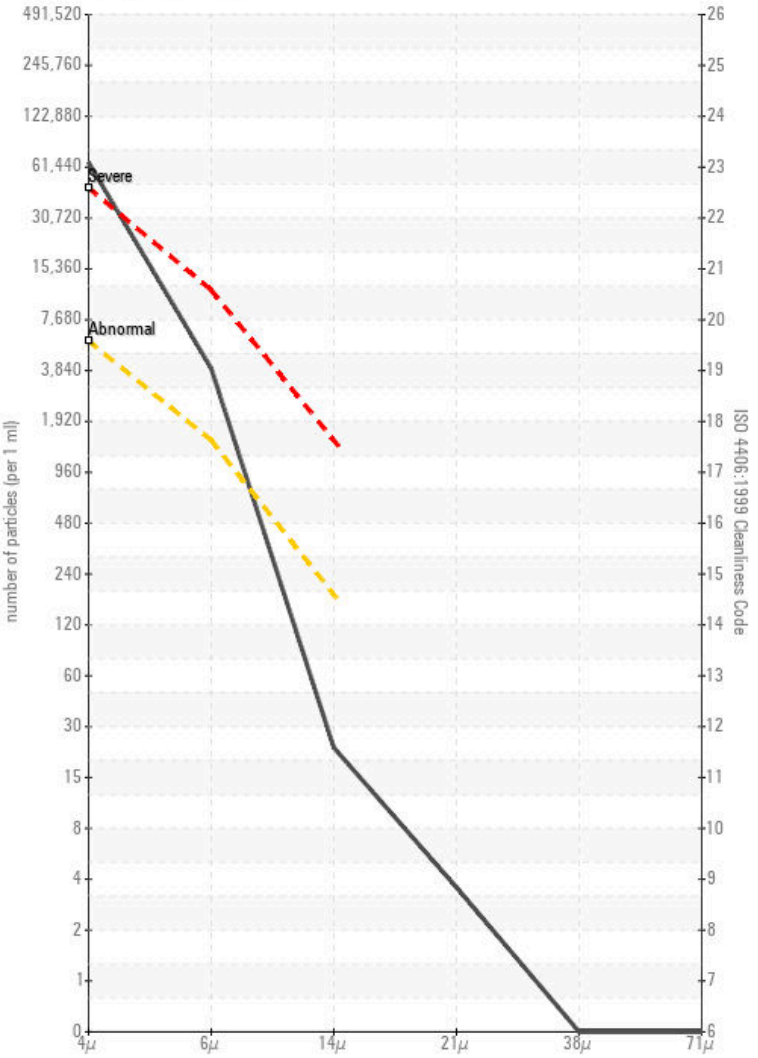
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number