



CONSTRUCTION EQUIPMENT

403004688 VOLVO A25G 742438 - HYDRAULIC SYSTEM



Sample No: VCP413068

Oil Type: RAYCON 32

Job No: 403004688



SAMPLE INFORMATION

Sample Number	VCP413068	---	---	---
Sample Date	21 Nov 2023	---	---	---
Machine Hours	16164	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---



403 - ASCENDUM MACHINERY INC - FARGO
 3739 38TH ST SW, SUITE E
 FARGO, ND
 US 58104
 Contact: SCOTT HANSON
 scott.hanson@ascendummachinery.com
 T:
 F: (701)356-4072



OIL CONDITION

Visc @ 40°C	cSt	■ 33.9	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.42	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		■ 7599	---	---	---
Particles >6µm		■ 444	---	---	---
Particles >14µm		■ 9	---	---	---
ISO 4406:1999 (c)		20/16/10	---	---	---
Silicon	ppm	■ 0	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ <1	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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	■ <1	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	41	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	389	---	---	---
Phosphorus	ppm	332	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: ASCFAR
 Unique No: 10803721
 Signed: Don Baldrige
 Report Date: 26 Dec 2023

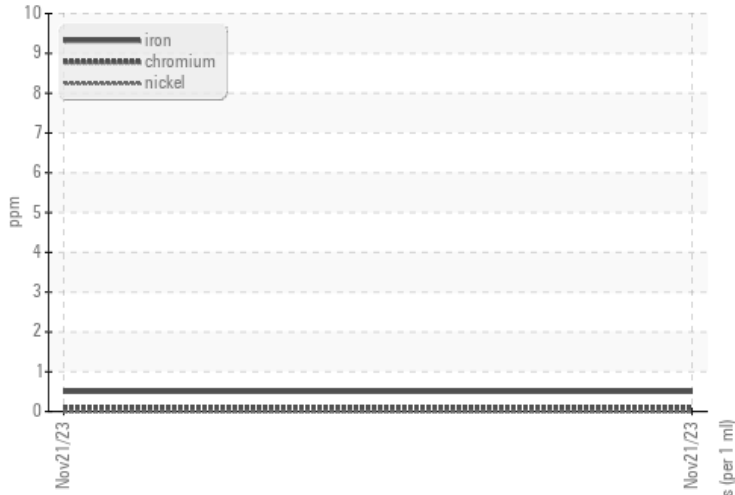


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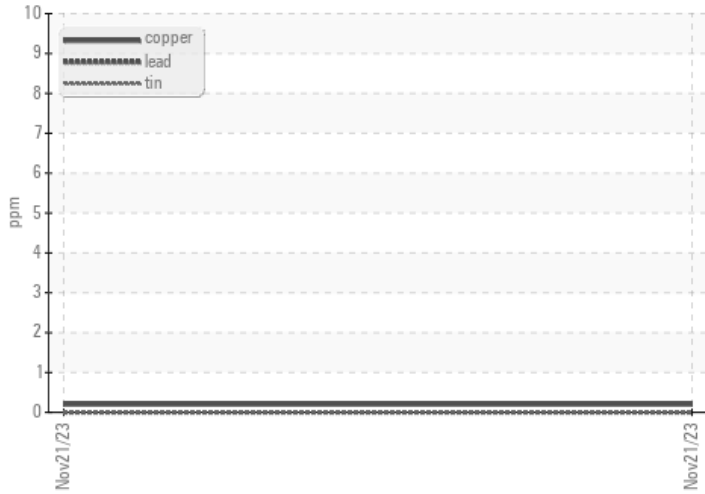


GRAPHS

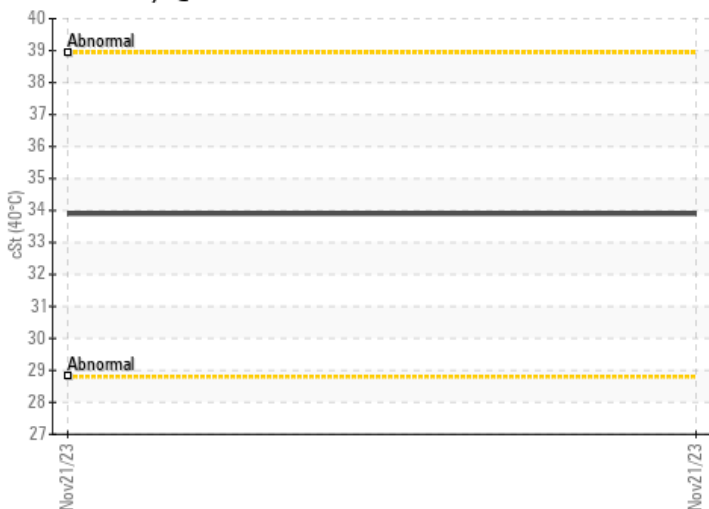
Ferrous Alloys



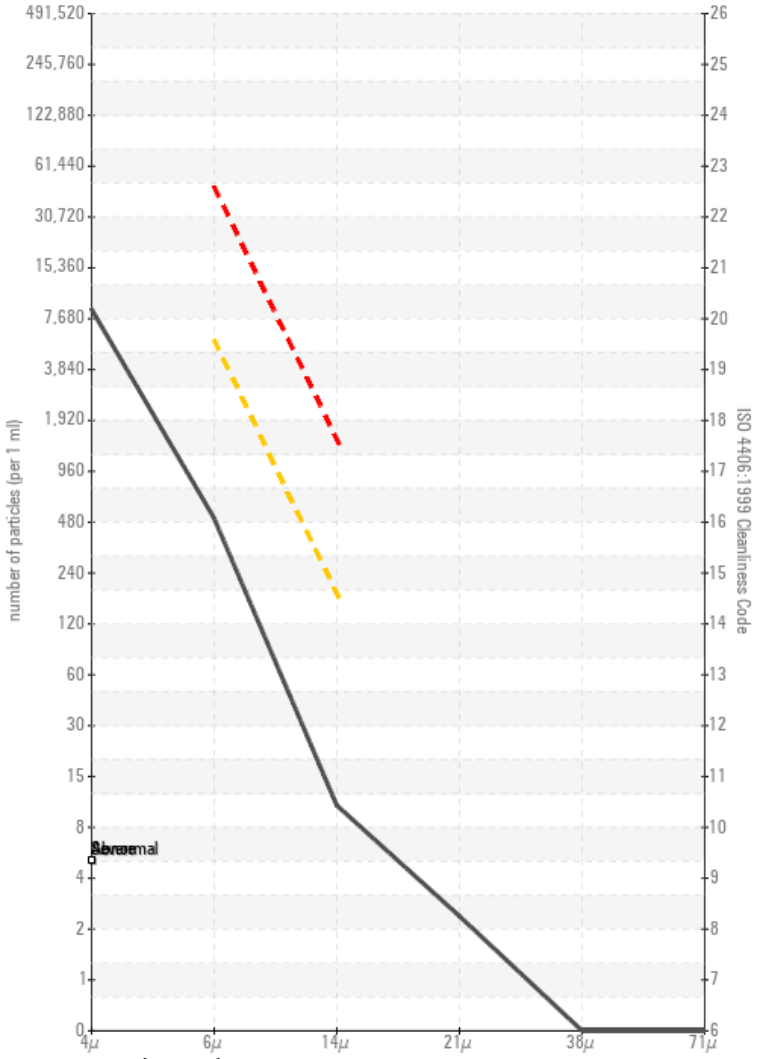
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

