



CONSTRUCTION EQUIPMENT

SWA542784 - HYDRAULIC SYSTEM



Sample No: VCP455450
Oil Type: {unknown}
Job No: SWA542784



SAMPLE INFORMATION

Sample Number	VCP455450	---	---	---
Sample Date	26 Apr 2024	---	---	---
Machine Hours	754	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
 Contact: TODD LARK
 tlark@altaequipfl.com
 T:
 F: (239)481-3302



OIL CONDITION

Visc @ 40°C	cSt	█ 43.7	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.20	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 18966	---	---	---
Particles >6µm		█ 712	---	---	---
Particles >14µm		█ 24	---	---	---
ISO 4406:1999 (c)		21/17/12	---	---	---
Silicon	ppm	█ 1	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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 suitable for further service.



WEAR METALS

Iron	ppm	█ 34	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	9	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	72	---	---	---
Phosphorus	ppm	59	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: VOLVO0090
Unique No: 11005003
Signed: Don Baldrige
Report Date: 02 May 2024

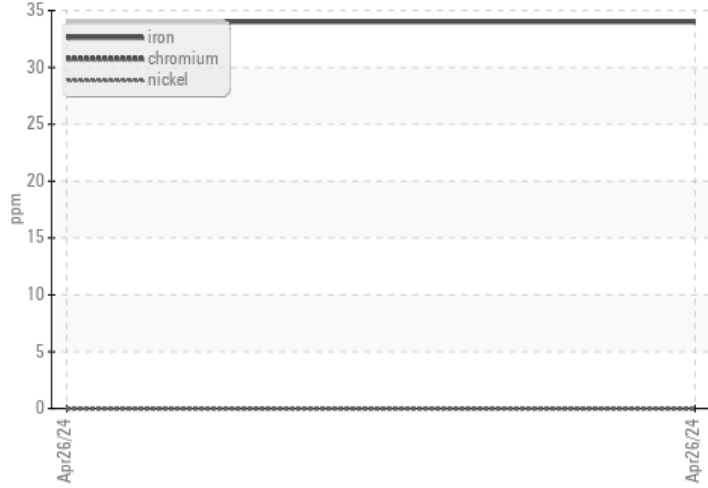


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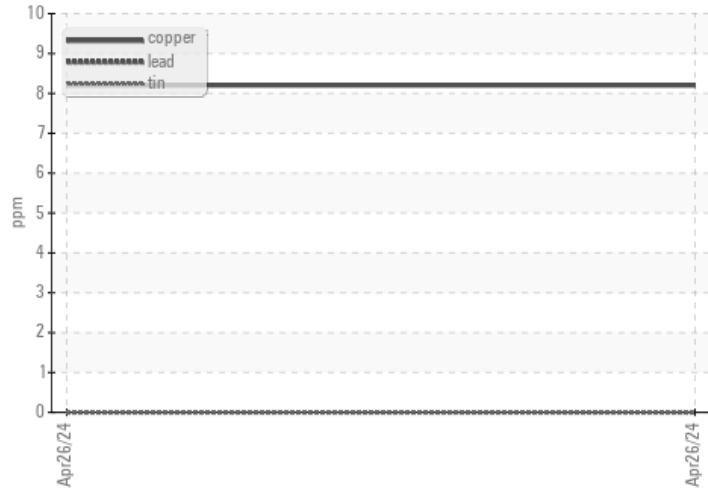


GRAPHS

Ferrous Alloys



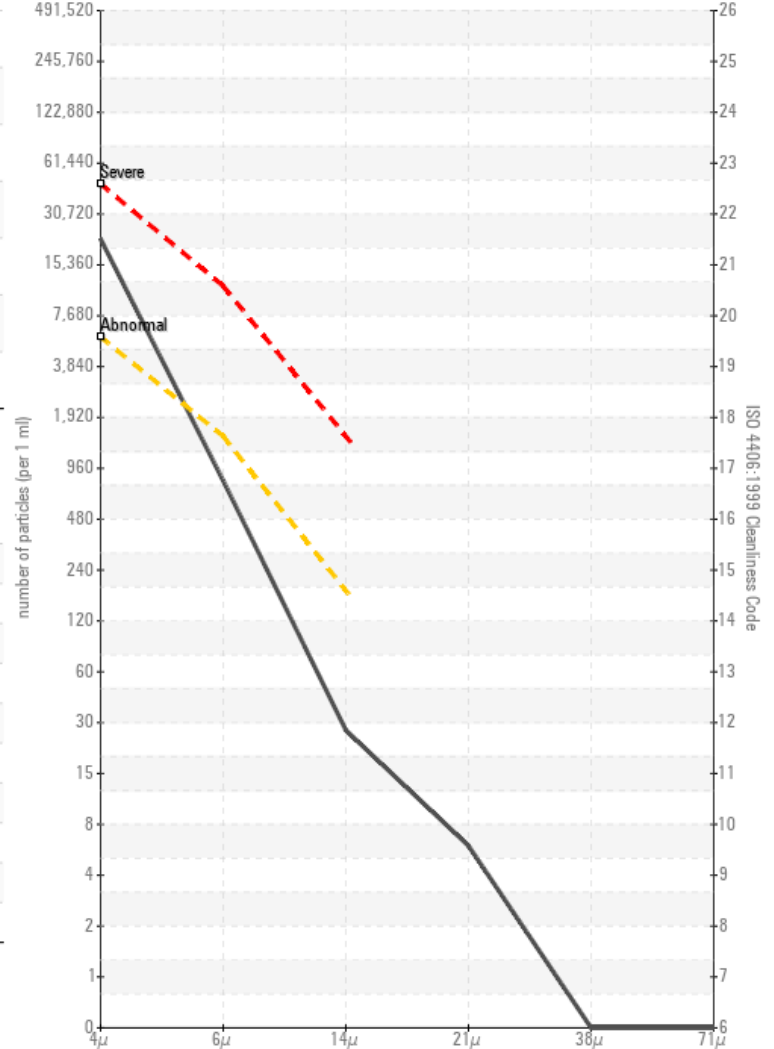
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

