



CONSTRUCTION EQUIPMENT

SWA509793-10 LIBERTY SKYJACK SJ111-3219 22017054 - HYDRAULIC SYSTEM



Sample No: VCP454253
Oil Type: VOLVO AT 101
Job No: SWA509793-10 LIBERTY



SAMPLE INFORMATION

Sample Number	VCP454253	---	---	---
Sample Date	03 Apr 2024	---	---	---
Machine Hours	150	---	---	---
Oil Hours	150	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE
BLOOMINGTON, IL
US 61705

Contact: JUSTIN PERRY
justin.perry@altg.com
T: (309)533-9285
F:



OIL CONDITION

Visc @ 40°C	cSt	█ 22.7	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.69	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 15731	---	---	---
Particles >6µm		█ 1590	---	---	---
Particles >14µm		█ 104	---	---	---
ISO 4406:1999 (c)		21/18/14	---	---	---
Silicon	ppm	█ 24	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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	█ 12	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	74	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	74	---	---	---
Phosphorus	ppm	176	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	46	---	---	---

Depot: VOLVO5054
Unique No: 10980328
Signed: Don Baldrige
Report Date: 18 Apr 2024

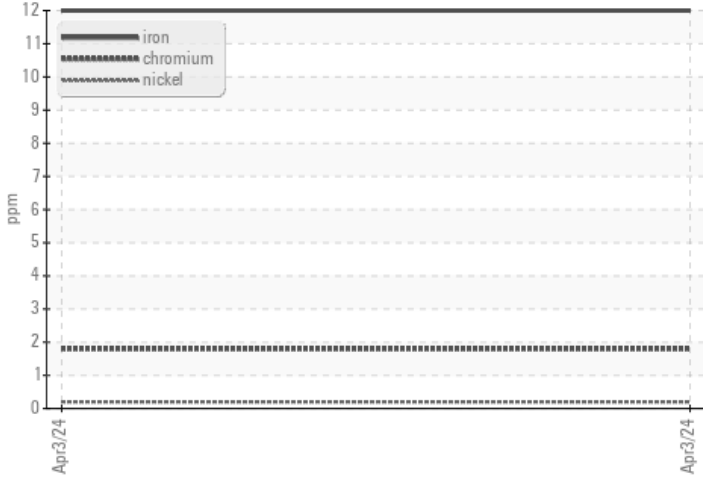


CONSTRUCTION EQUIPMENT

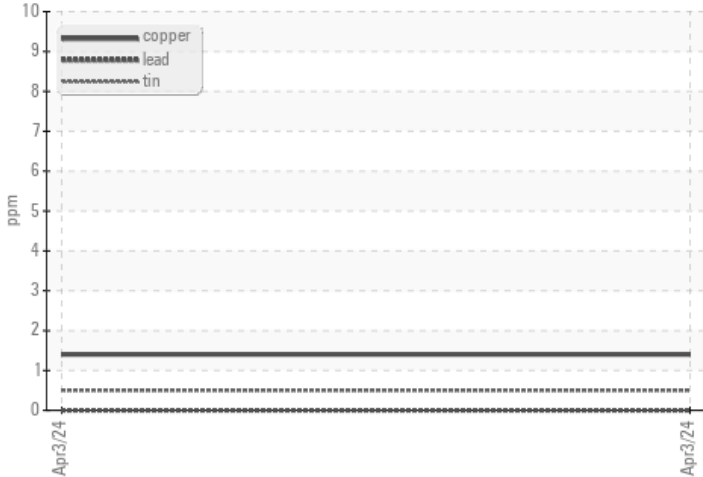


GRAPHS

Ferrous Alloys



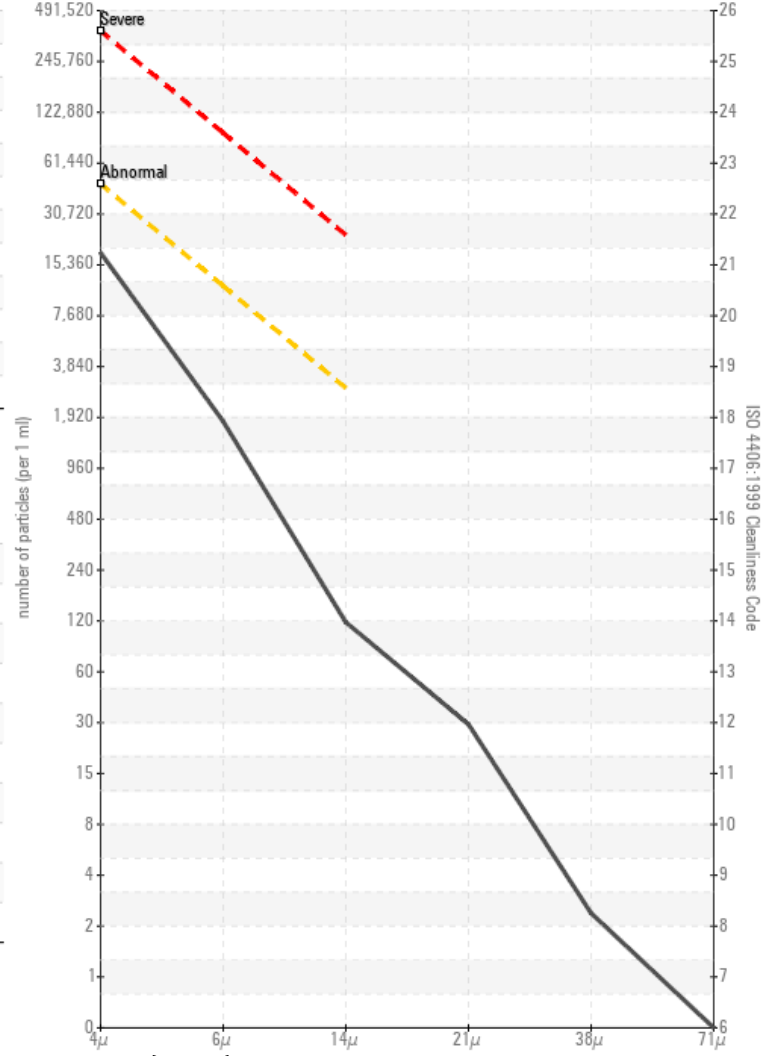
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

