CONSTRUCTION EQUIPMENT
688272 VOLVO L120H 632550 - HYDRAULIC SYSTEM

Sample No: VCP455035
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 688272

ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC
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SAMPLE INFORMATION

Sample Number		**VCP455035**	VCP425496	---	---
Sample Date		**18 Mar 2024**	30 Jun 2023	---	---
Machine Hours		**8704**	7690	---	---
Oil Hours		**0**	0	---	---
Oil Changed		**Not Changd**	Changed	---	---
Sample Status		**ABNORMAL**	ABNORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	**44.1**	44.5	---	---
Acid Number (AN)	mg KOH/g	**0.45**	0.47	---	---

CONTAMINATION

Water	%	**NEG**	NEG	---	---
Particles >4µm		**11563**	---	---	---
Particles >6µm		**1908**	---	---	---
Particles >14µm		**97**	---	---	---
ISO 4406:1999 (c)		**21/18/14**	---	---	---
Silicon	ppm	**1**	2	---	---
Sodium	ppm	**2**	2	---	---
Potassium	ppm	**<1**	2	---	---

WEAR METALS

Iron	ppm	**0**	5	---	---
Copper	ppm	**<1**	1	---	---
Lead	ppm	**0**	0	---	---
Tin	ppm	**<1**	0	---	---
Aluminum	ppm	**<1**	<1	---	---
Chromium	ppm	**0**	<1	---	---
Molybdenum	ppm	**<1**	3	---	---
Nickel	ppm	**<1**	0	---	---
Titanium	ppm	**0**	<1	---	---
Silver	ppm	**0**	0	---	---
Manganese	ppm	**0**	0	---	---
Vanadium	ppm	**0**	<1	---	---

ADDITIVES

Calcium	ppm	**158**	95	---	---
Magnesium	ppm	**11**	18	---	---
Zinc	ppm	**464**	477	---	---
Phosphorus	ppm	**375**	403	---	---
Barium	ppm	**0**	<1	---	---
Boron	ppm	**5**	7	---	---

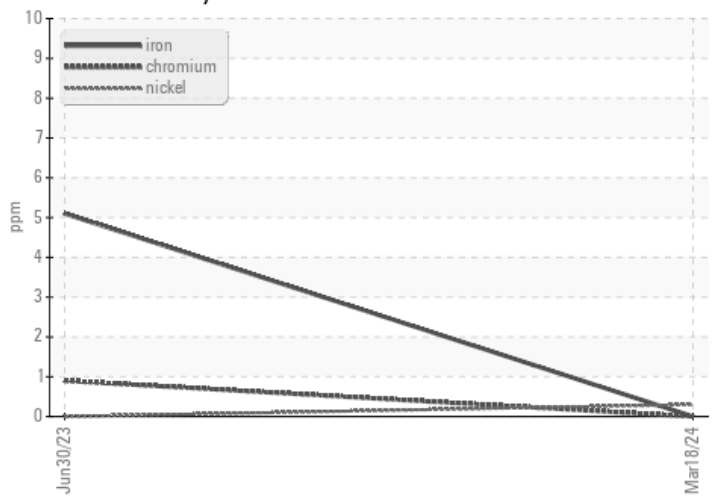
Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

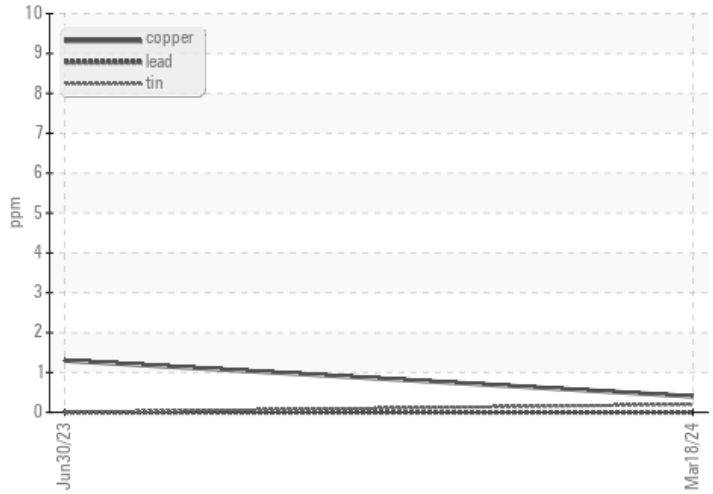
Depot: VOLVO0096
Unique No: 10941174
Signed: Wes Davis
Report Date: 26 Mar 2024

GRAPHS

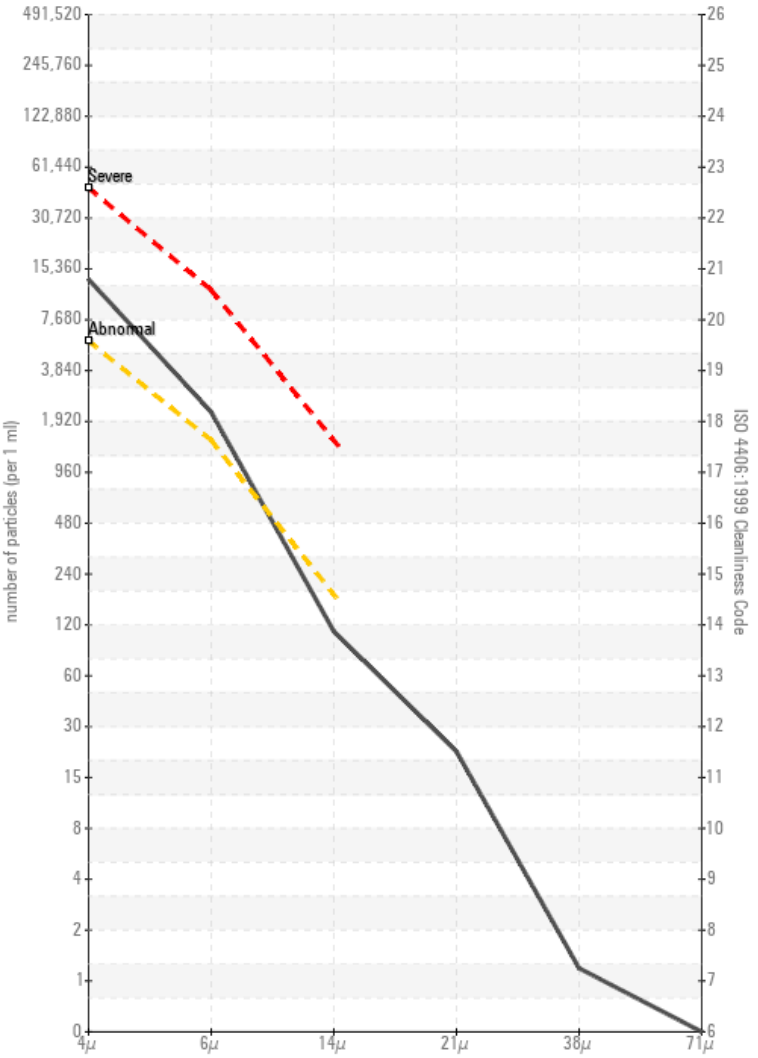
Ferrous Alloys



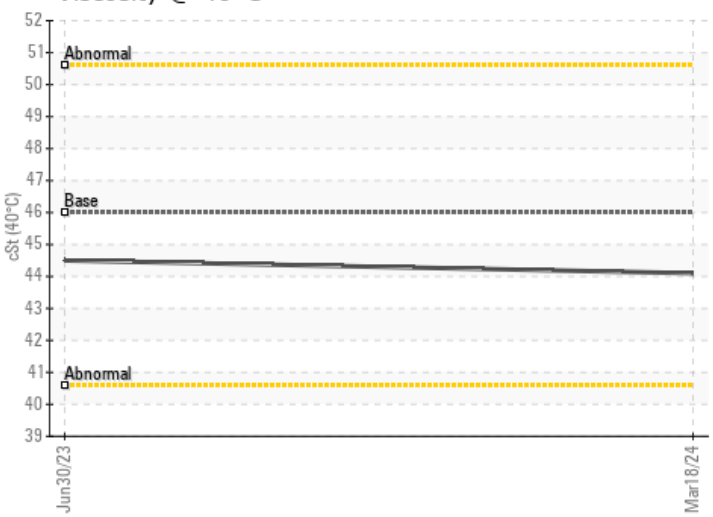
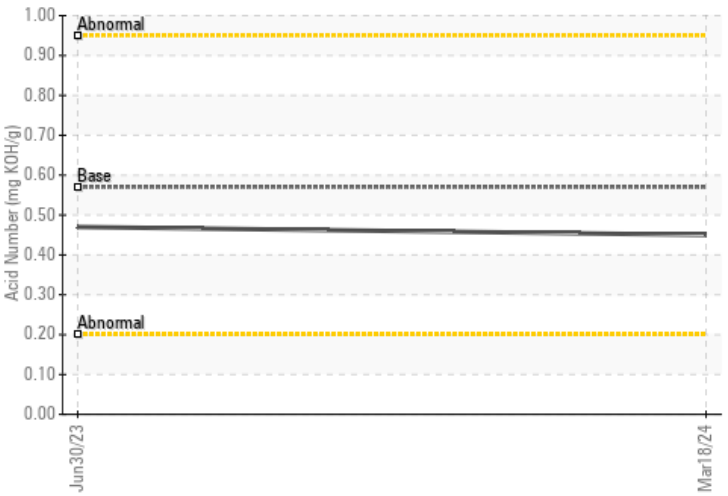
Non-ferrous Metals



Particle Count



Viscosity @ 40°C



Acid Number