CONSTRUCTION EQUIPMENT

IDEAL DEMOLITION VOLVO ECR355E 314647 - HYDRAULIC SYSTEM

Sample No: VCP397956
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: IDEAL DEMOLITION

ARNOLD MACHINERY COMPANY
300 EAST OVERLAND AVENUE
MERIDIAN, ID
US 83642
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SAMPLE INFORMATION

Sample Number		**VCP397956**	---	---	---
Sample Date		**02 Jan 2024**	---	---	---
Machine Hours		**166**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Changed**	---	---	---
Sample Status		**ABNORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**43.4**	---	---	---
Acid Number (AN)	mg KOH/g	**0.51**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**120114**	---	---	---
Particles >6µm		▲ **37648**	---	---	---
Particles >14µm		▲ **1793**	---	---	---
ISO 4406:1999 (c)		**24/22/18**	---	---	---
Silicon	ppm	**3**	---	---	---
Sodium	ppm	**<1**	---	---	---
Potassium	ppm	**0**	---	---	---

WEAR METALS

Iron	ppm	**3**	---	---	---
Copper	ppm	**15**	---	---	---
Lead	ppm	**0**	---	---	---
Tin	ppm	**0**	---	---	---
Aluminum	ppm	**0**	---	---	---
Chromium	ppm	**0**	---	---	---
Molybdenum	ppm	**0**	---	---	---
Nickel	ppm	**0**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**0**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**100**	---	---	---
Magnesium	ppm	**1**	---	---	---
Zinc	ppm	**497**	---	---	---
Phosphorus	ppm	**431**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**0**	---	---	---

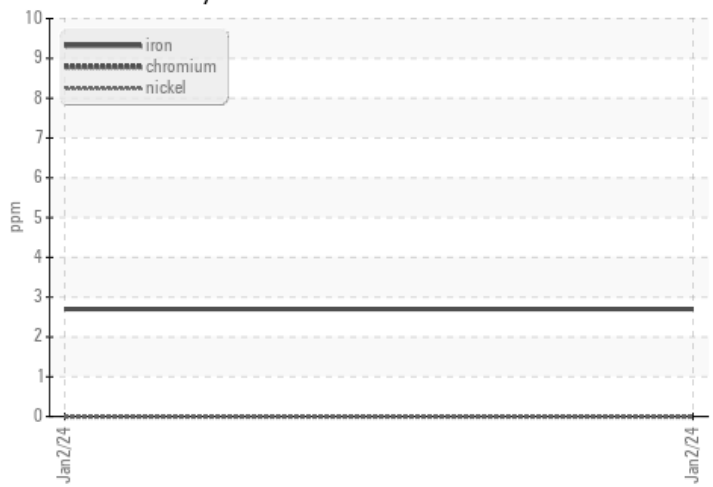
Diagnosis

The oil change at the time of sampling has been noted. We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

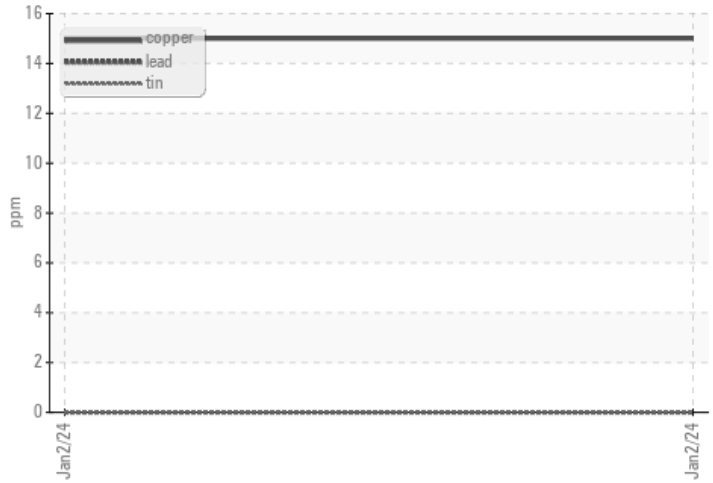
Depot: VOLVO0076
Unique No: 10821819
Signed: Don Baldridge
Report Date: 10 Jan 2024

GRAPHS

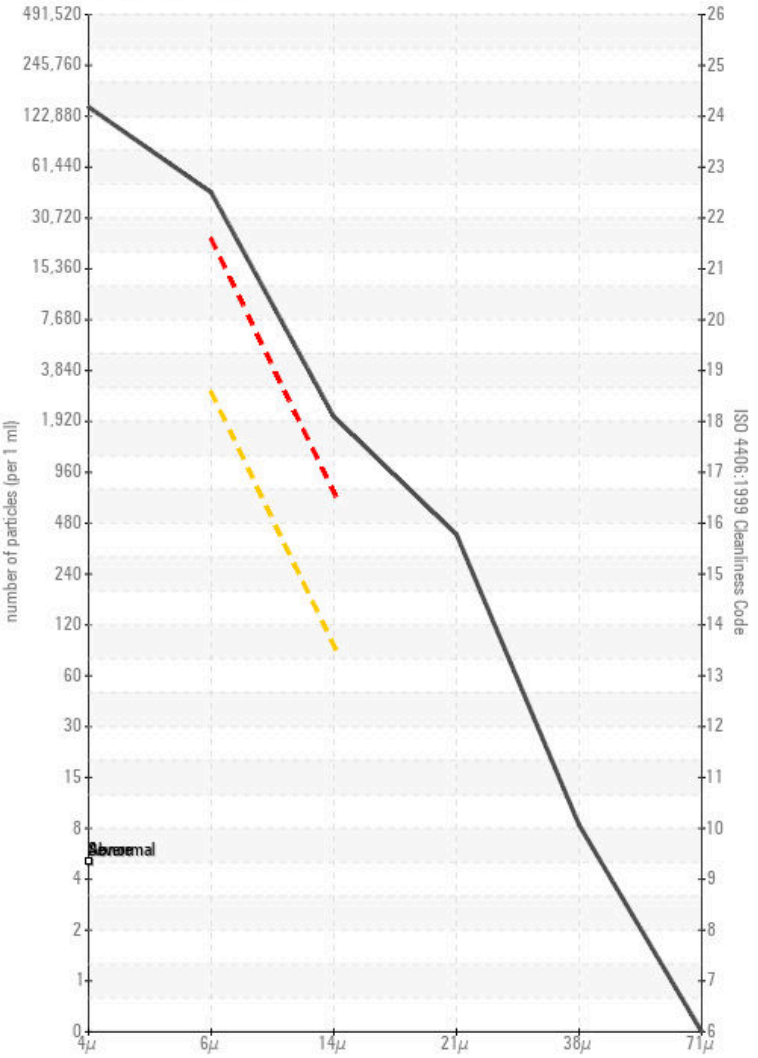
Ferrous Alloys



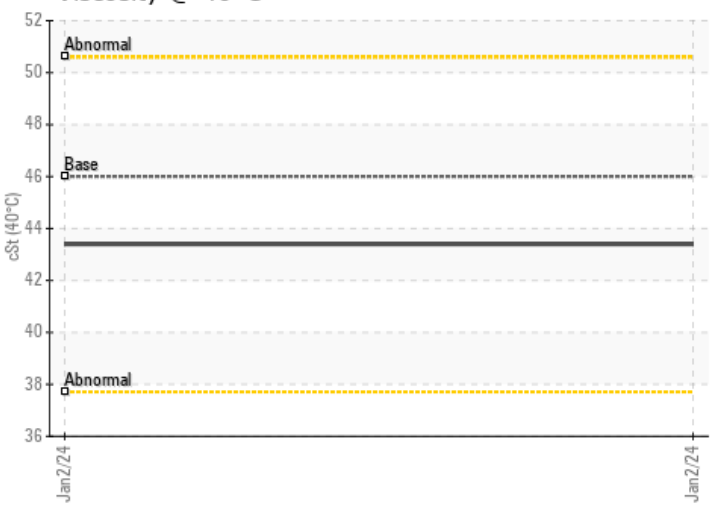
Non-ferrous Metals



Particle Count



Viscosity @ 40°C



Acid Number