CONSTRUCTION EQUIPMENT
ALJON VOLVO 30002 - HYDRAULIC SYSTEM

Sample No: VCP265333
Oil Type: NOT GIVEN
Job No: ALJON

SAMPLE INFORMATION

Sample Number		**VCP265333**	---	---	---
Sample Date		**18 Aug 2023**	---	---	---
Machine Hours		**13951**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**N/A**	---	---	---
Sample Status		**ABNORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**47.0**	---	---	---
Acid Number (AN)	mg KOH/g	**0.39**	---	---	---

CONTAMINATION

Particles >4µm		**23146**	---	---	---
Particles >6µm		**5979**	---	---	---
Particles >14µm		**390**	---	---	---
ISO 4406:1999 (c)		**22/20/16**	---	---	---
Silicon	ppm	**4**	---	---	---
Sodium	ppm	**<1**	---	---	---
Potassium	ppm	**<1**	---	---	---

WEAR METALS

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

ADDITIVES

Calcium	ppm	**882**	---	---	---
Magnesium	ppm	**7**	---	---	---
Zinc	ppm	**625**	---	---	---
Phosphorus	ppm	**528**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**28**	---	---	---

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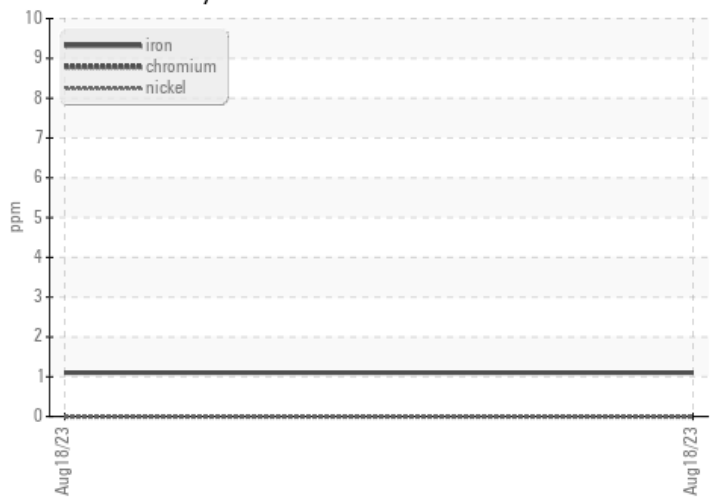
Diagnosis

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.

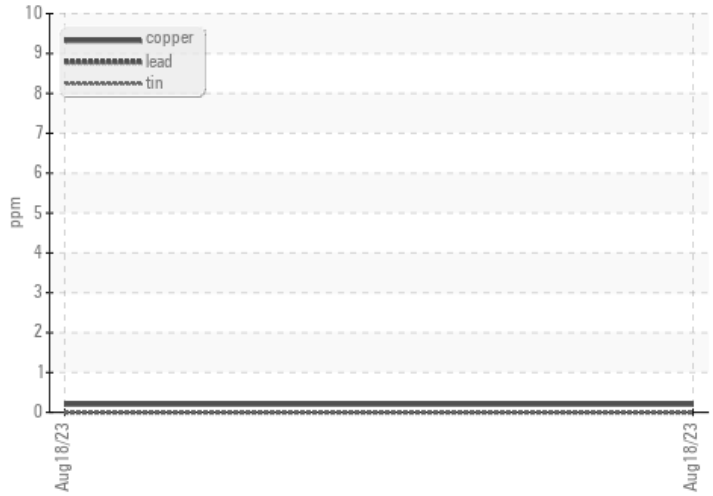
Depot: VOLVO0015
Unique No: 10644920
Signed: Don Baldridge
Report Date: 14 Sep 2023

GRAPHS

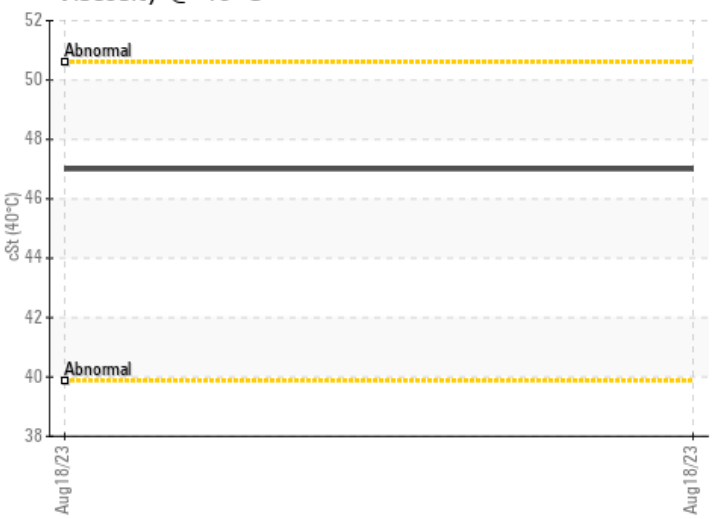
Ferrous Alloys



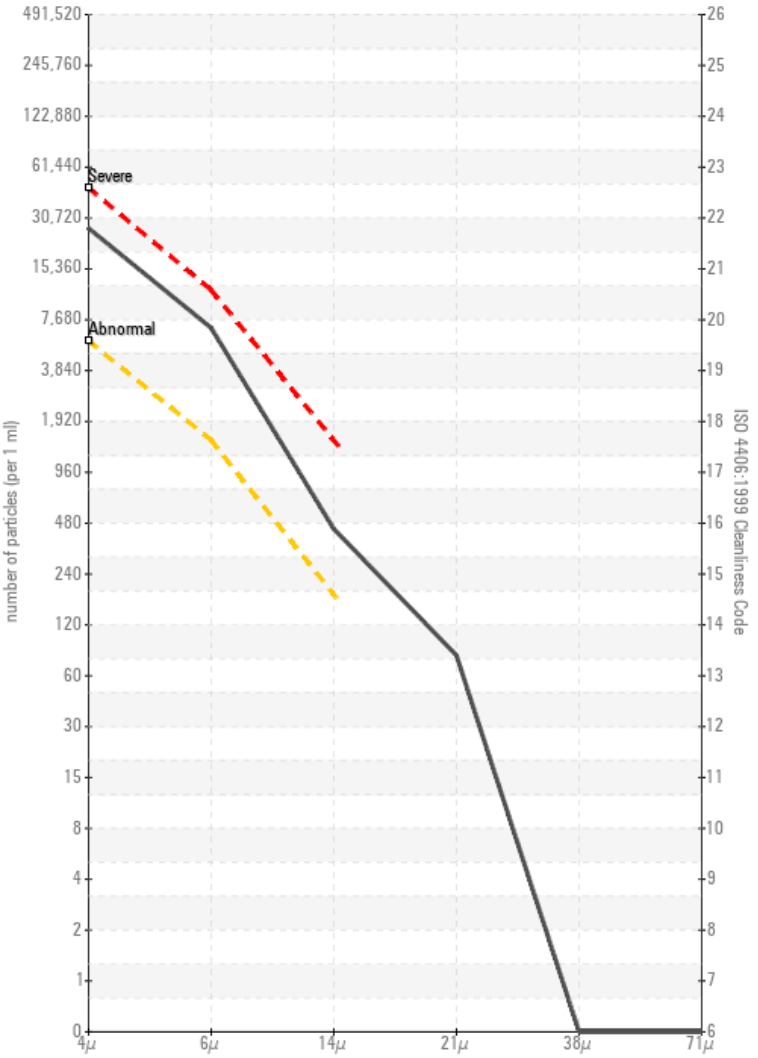
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number