CONSTRUCTION EQUIPMENT

1020672 WEBER VOLVO EC290B 12574 - HYDRAULIC SYSTEM

Sample No: VCP418983
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 1020672 WEBER

ARNOLD MACHINERY COMPANY
2975 WEST 2100 SOUTH
SALT LAKE CITY, UT
US 84119
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T: (801)972-4000
F: (801)975-9434

SAMPLE INFORMATION

Sample Number		**VCP418983**	---	---	---
Sample Date		**02 Aug 2023**	---	---	---
Machine Hours		**5592**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Changed**	---	---	---
Sample Status		**ABNORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**43.5**	---	---	---
Acid Number (AN)	mg KOH/g	**0.24**	---	---	---

CONTAMINATION

Particles >4µm		▲ **22827**	---	---	---
Particles >6µm		**826**	---	---	---
Particles >14µm		**11**	---	---	---
ISO 4406:1999 (c)		**22/17/11**	---	---	---
Silicon	ppm	**11**	---	---	---
Sodium	ppm	**2**	---	---	---
Potassium	ppm	**3**	---	---	---

WEAR METALS

Iron	ppm	**29**	---	---	---
Copper	ppm	**18**	---	---	---
Lead	ppm	**<1**	---	---	---
Tin	ppm	**0**	---	---	---
Aluminum	ppm	**4**	---	---	---
Chromium	ppm	**12**	---	---	---
Molybdenum	ppm	**0**	---	---	---
Nickel	ppm	**0**	---	---	---
Titanium	ppm	**<1**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**<1**	---	---	---
Vanadium	ppm	**<1**	---	---	---

ADDITIVES

Calcium	ppm	**148**	---	---	---
Magnesium	ppm	**3**	---	---	---
Zinc	ppm	**364**	---	---	---
Phosphorus	ppm	**348**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**0**	---	---	---

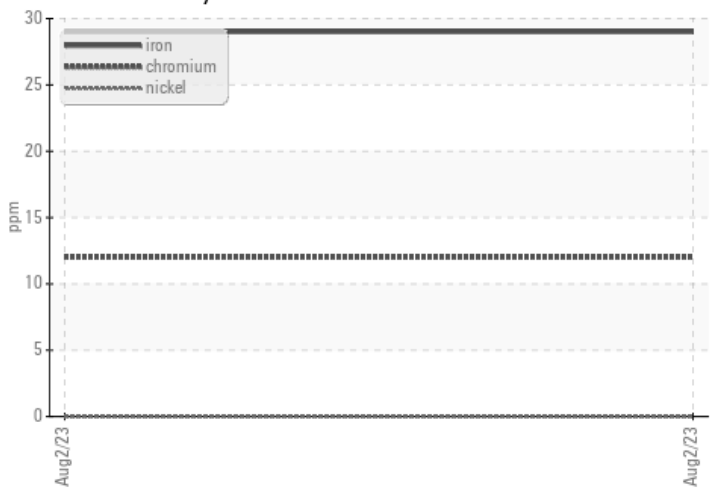
Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. 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.

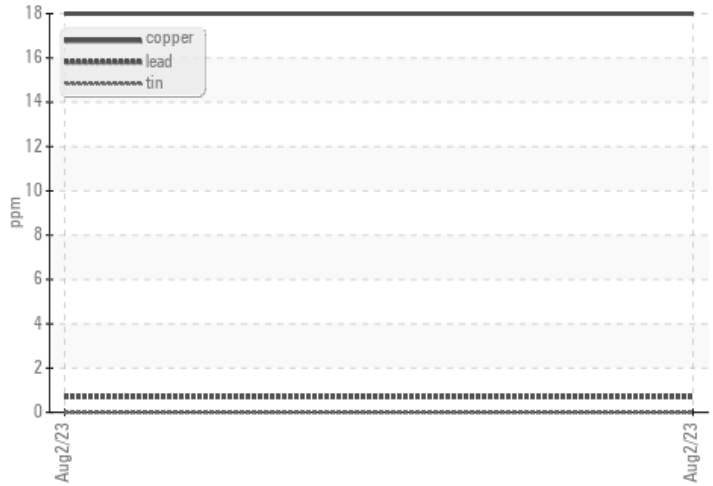
Depot: VOLVO8770
Unique No: 10606638
Signed: Don Baldridge
Report Date: 17 Aug 2023

GRAPHS

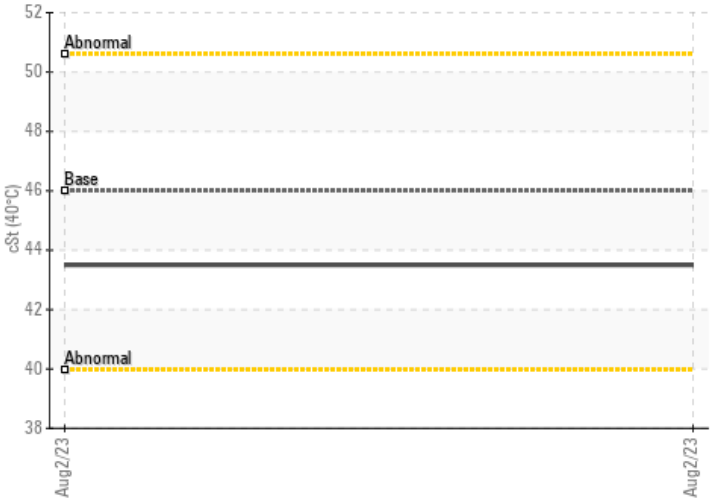
Ferrous Alloys



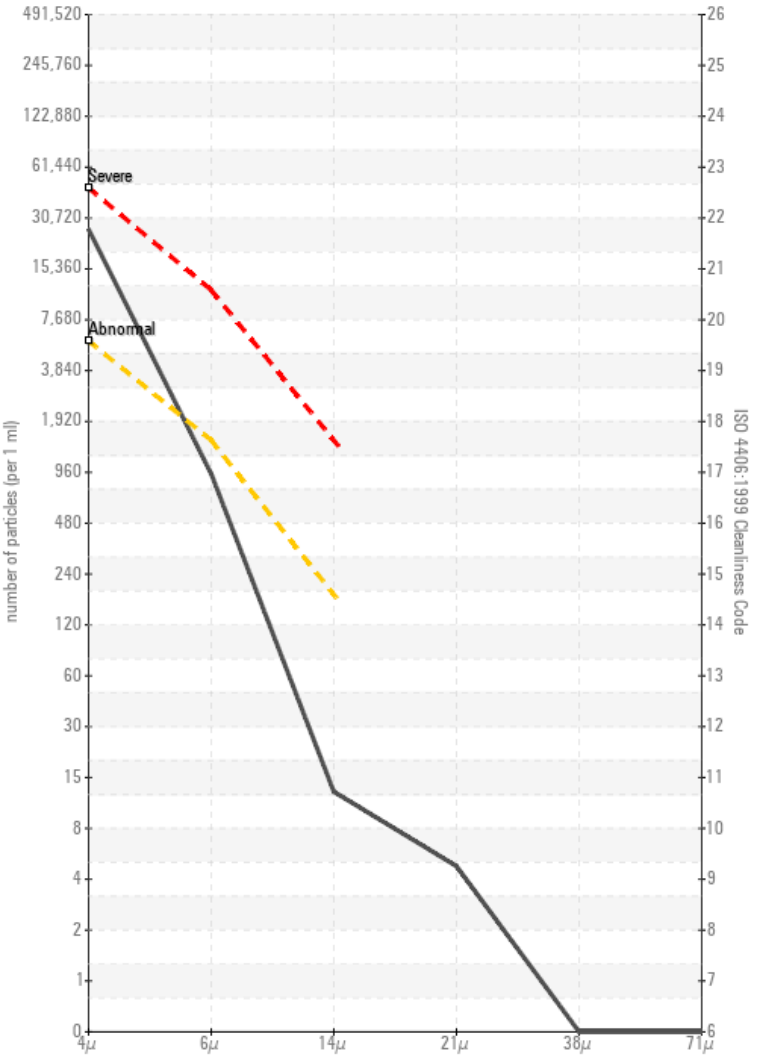
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number