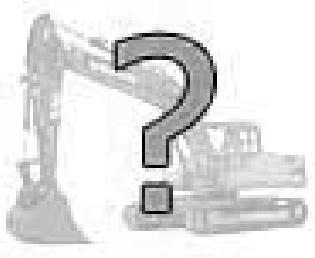
CONSTRUCTION EQUIPMENT

660061 GLE SENNEBOGEN 830 830.0.2758 - HYDRAULIC SYSTEM

Sample No: VCP445862
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 660061 GLE



ALTA EQUIPMENT COMPANY - METRO WEST
56195 PONTIAC TRAIL
NEW HUDSON, MI
US 48165
Contact: PAUL CONZ
paul.conz@altg.com
T: (313)348-8861
F: (248)356-2029

SAMPLE INFORMATION

Sample Number		**VCP445862**	VCP399369	VCP328904	---
Sample Date		**19 Feb 2024**	08 Feb 2023	12 Jan 2022	---
Machine Hours		**8236**	6106	4157	---
Oil Hours		**8236**	0	0	---
Oil Changed		**Changed**	Not Changd	Changed	---
Sample Status		**ABNORMAL**	ABNORMAL	ABNORMAL	---

OIL CONDITION

Visc @ 40°C	cSt	**42.7**	41.5	38.9	---
Acid Number (AN)	mg KOH/g	**0.38**	0.43	0.59	---

CONTAMINATION

Water	%	**NEG**	NEG	NEG	---
Particles >4µm		**30874**	30762	---	---
Particles >6µm		**7566**	5337	---	---
Particles >14µm		**302**	136	---	---
ISO 4406:1999 (c)		**22/20/15**	22/20/14	---	---
Silicon	ppm	**1**	<1	1	---
Sodium	ppm	**0**	2	5	---
Potassium	ppm	**1**	0	0	---

WEAR METALS

Iron	ppm	**4**	5	7	---
Copper	ppm	**2**	2	4	---
Lead	ppm	**<1**	<1	1	---
Tin	ppm	**<1**	0	<1	---
Aluminum	ppm	**<1**	0	<1	---
Chromium	ppm	**<1**	<1	1	---
Molybdenum	ppm	**5**	3	2	---
Nickel	ppm	**<1**	0	<1	---
Titanium	ppm	**<1**	<1	<1	---
Silver	ppm	**<1**	0	0	---
Manganese	ppm	**<1**	0	<1	---
Vanadium	ppm	**0**	0	0	---

ADDITIVES

Calcium	ppm	**142**	206	555	---
Magnesium	ppm	**18**	14	16	---
Zinc	ppm	**434**	441	543	---
Phosphorus	ppm	**292**	366	416	---
Barium	ppm	**5**	0	<1	---
Boron	ppm	**3**	2	5	---

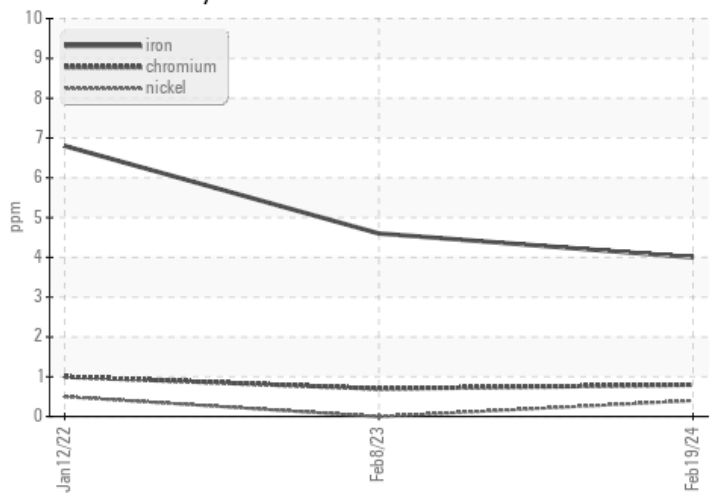
Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.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.

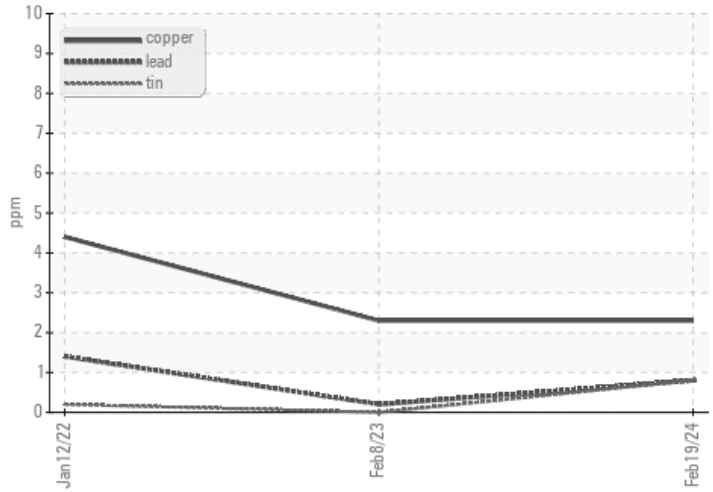
Depot: VOLVO2990
Unique No: 10896533
Signed: Wes Davis
Report Date: 26 Feb 2024

GRAPHS

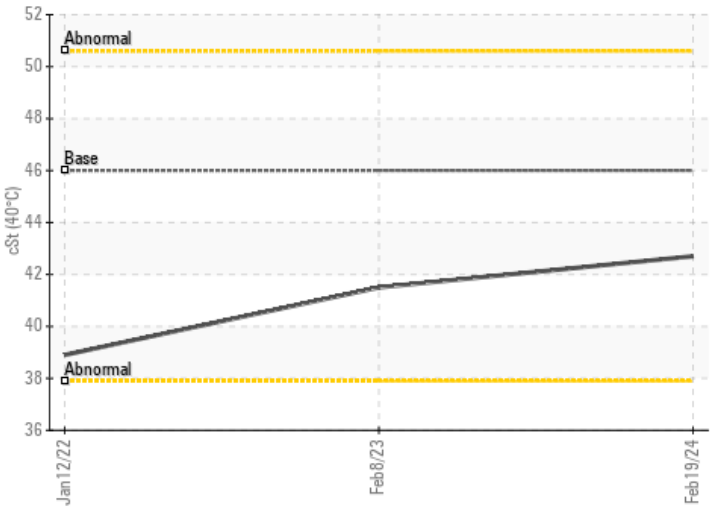
Ferrous Alloys



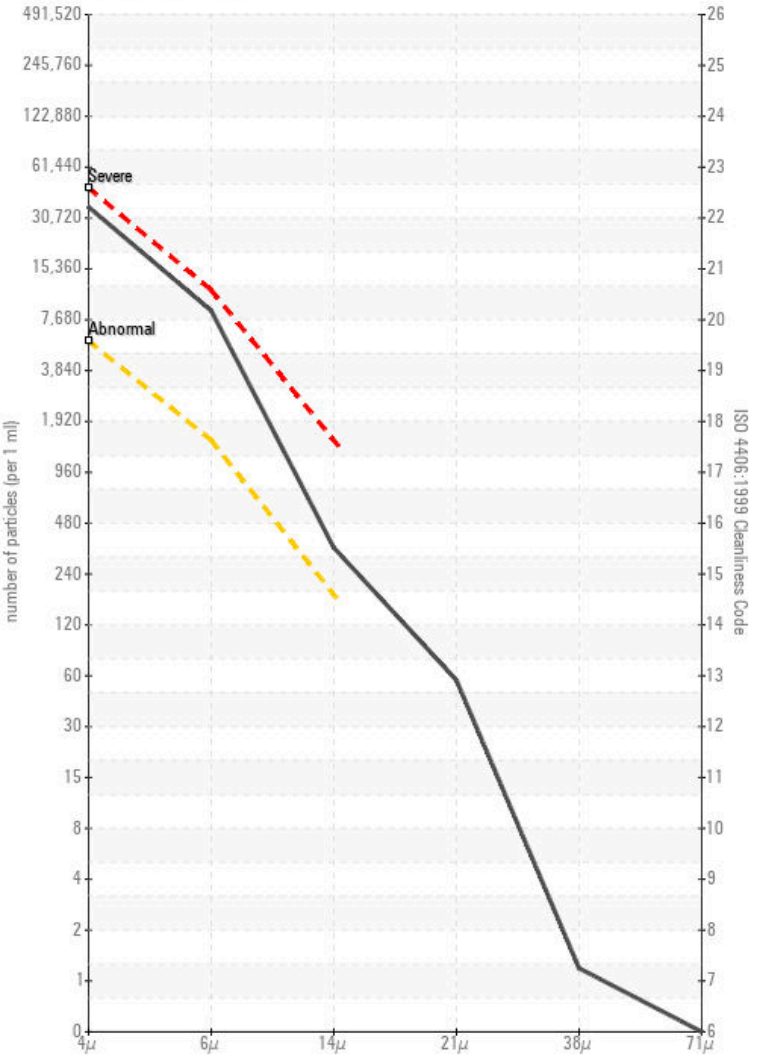
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number