CONSTRUCTION EQUIPMENT
A12537 VOLVO L220H 2992 - HYDRAULIC SYSTEM

Sample No: VCP439387
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A12537

WHEELABRATOR
1201 NEW FORD MILL RD
MORRISVILLE, PA
US 19067
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T: (215)428-7915
F:

SAMPLE INFORMATION

Sample Number		**VCP439387**	VCP442537	VCP416706	VCP421958
Sample Date		**01 May 2024**	08 Jan 2024	10 Aug 2023	04 May 2023
Machine Hours		**17275**	16170	14860	13949
Oil Hours		**1000**	4000	1000	0
Oil Changed		**Not Changd**	Changed	Not Changd	N/A
Sample Status		**ATTENTION**	ABNORMAL	ABNORMAL	ABNORMAL

OIL CONDITION

Visc @ 40°C	cSt	**43.4**	41.3	41.4	41.3
Acid Number (AN)	mg KOH/g	**0.31**	0.30	0.30	0.34

CONTAMINATION

Water	%	**NEG**	NEG	NEG	NEG
Particles >4µm		**7023**	20141	10275	28010
Particles >6µm		**223**	575	1070	5166
Particles >14µm		**4**	36	90	604
ISO 4406:1999 (c)		**20/15/9**	22/16/12	21/17/14	22/20/16
Silicon	ppm	**2**	2	2	2
Sodium	ppm	**3**	0	2	6
Potassium	ppm	**0**	1	0	2

WEAR METALS

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

ADDITIVES

Calcium	ppm	**134**	67	68	64
Magnesium	ppm	**7**	2	<1	3
Zinc	ppm	**424**	416	420	448
Phosphorus	ppm	**335**	376	341	356
Barium	ppm	**0**	1	0	0
Boron	ppm	**<1**	0	0	0

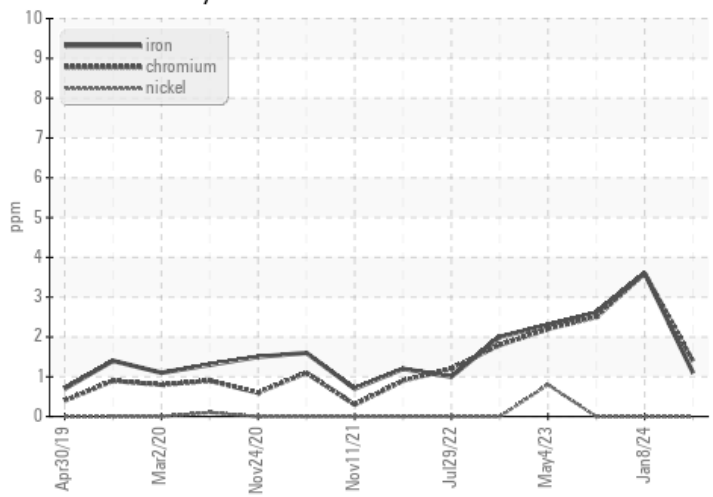
Diagnosis

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 light 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.

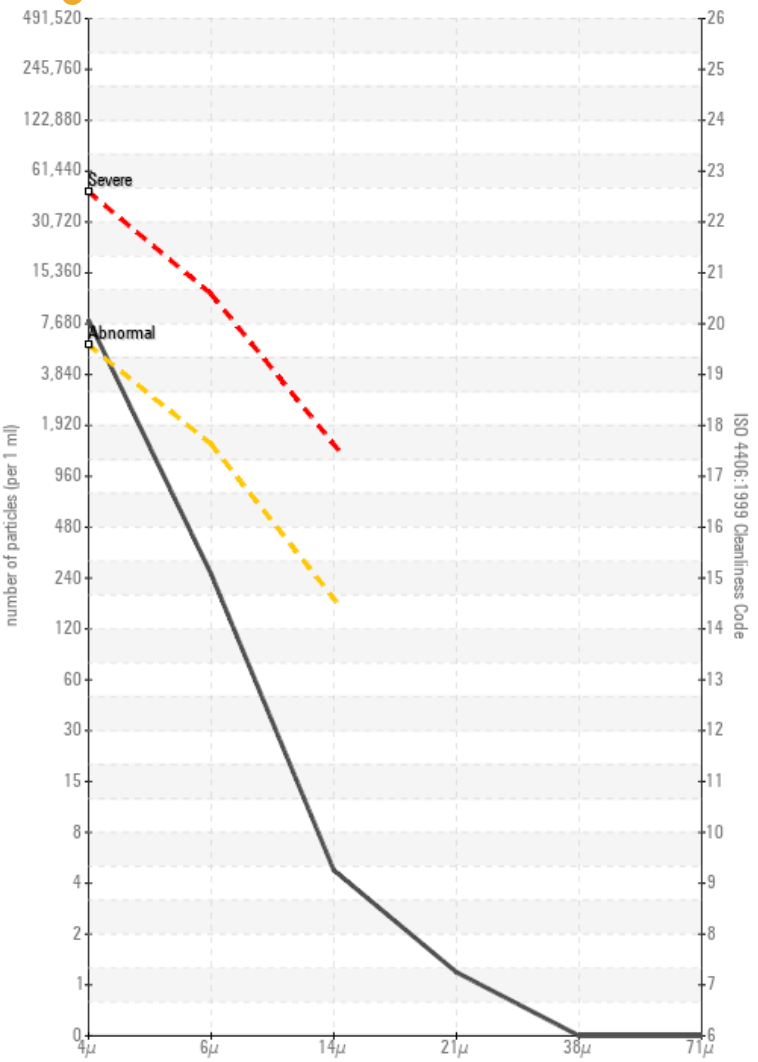
Depot: WHEMOR
Unique No: 11032598
Signed: Wes Davis
Report Date: 17 May 2024

GRAPHS

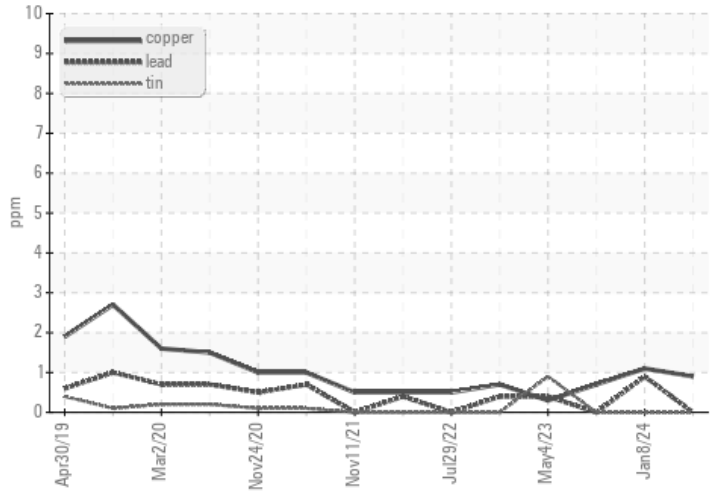
Ferrous Alloys



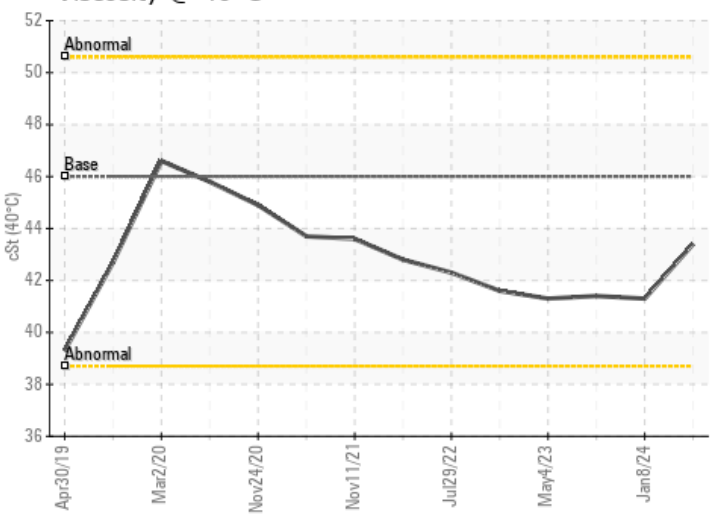
Particle Count



Non-ferrous Metals



Viscosity @ 40°C



Acid Number