



CONSTRUCTION EQUIPMENT

674383 VOLVO L220H 3368 - HYDRAULIC SYSTEM



Sample No: VCP445975
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 674383



SAMPLE INFORMATION

Sample Number	VCP445975	VCP432373	VCP415562	VCP369997
Sample Date	14 Feb 2024	12 Dec 2023	18 Jul 2023	13 Oct 2022
Machine Hours	5101	4672	3780	2139
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

BLUE GOOSE GROWERS
 16059 W ORANGE AVE
 FT PIERCE, FL
 US 34945
 Contact: SERVICE MANAGER

OIL CONDITION

Visc @ 40°C	cSt	43.0	44.2	41.0	41.3
Acid Number (AN)	mg KOH/g	0.39	0.43	0.36	0.39

T: (772)461-3020
 F:

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		11213	30786	35782	80366
Particles >6µm		1017	1169	1152	2963
Particles >14µm		59	70	68	18
ISO 4406:1999 (c)		21/17/13	22/17/13	22/17/13	24/19/11
Silicon	ppm	1	1	1	2
Sodium	ppm	2	2	4	2
Potassium	ppm	3	2	0	0

Diagnosis
 Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

Iron	ppm	4	2	6	3
Copper	ppm	2	1	3	2
Lead	ppm	1	<1	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	<1	<1	0
Chromium	ppm	<1	<1	1	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	<1	<1

ADDITIVES

Calcium	ppm	88	87	50	38
Magnesium	ppm	15	13	1	0
Zinc	ppm	450	460	431	454
Phosphorus	ppm	349	350	350	356
Barium	ppm	0	0	0	0
Boron	ppm	0	<1	0	0

Depot: BLUFOR
Unique No: 10885837
Signed: Wes Davis
Report Date: 20 Feb 2024

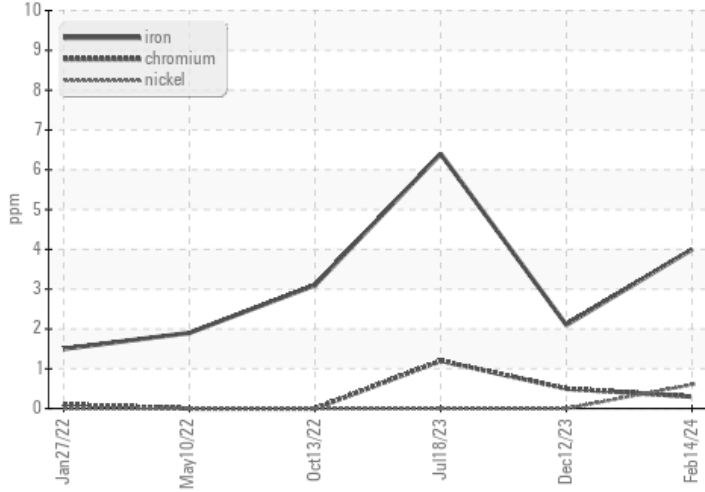


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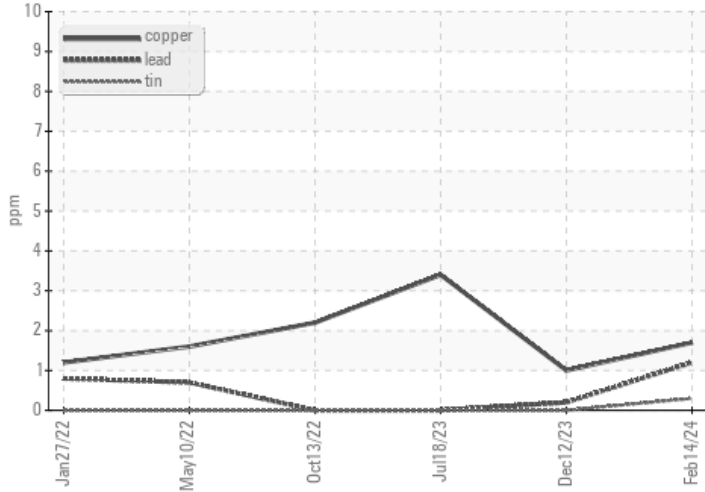


VOLVO GRAPHS

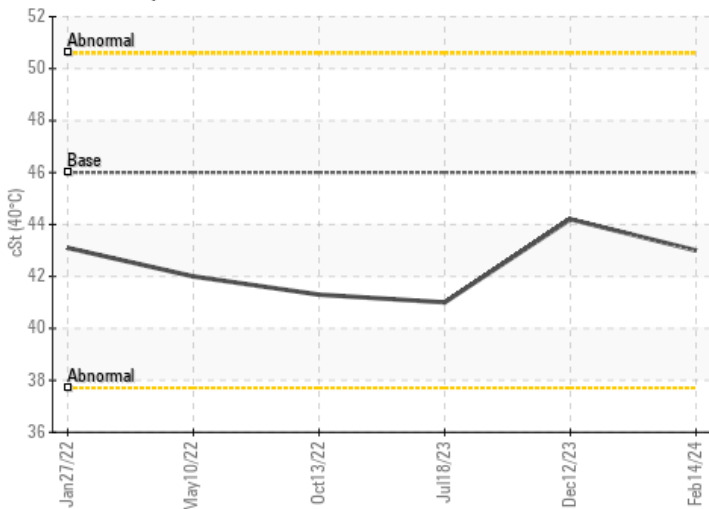
Ferrous Alloys



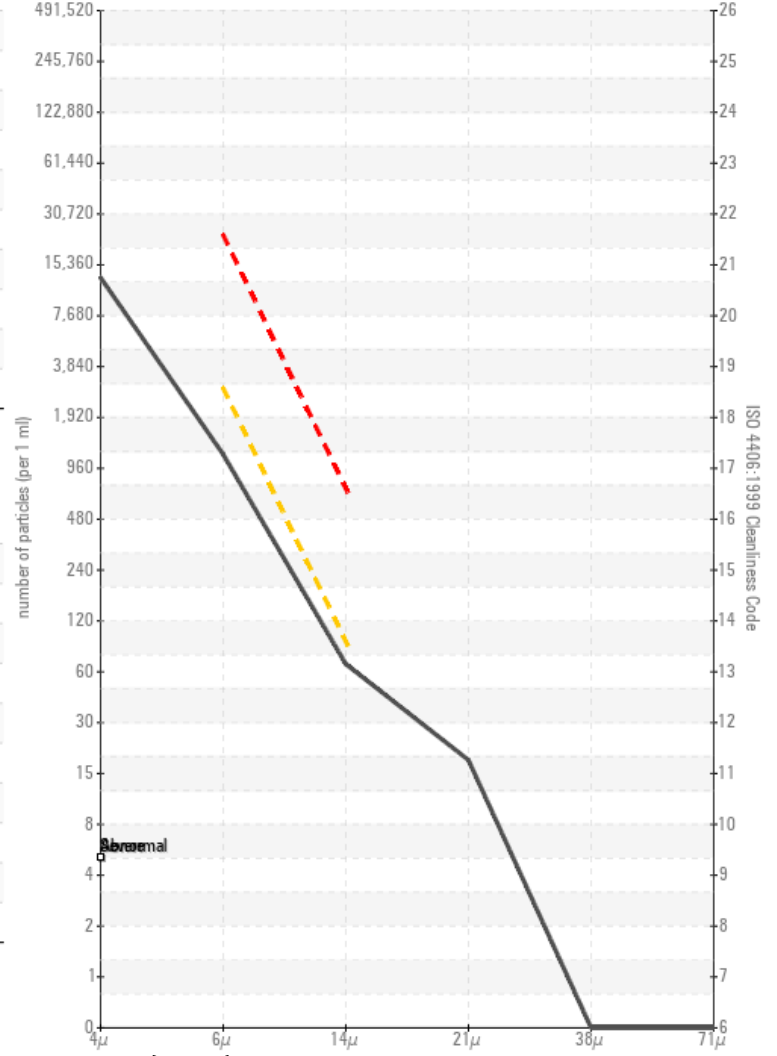
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

