



CONSTRUCTION EQUIPMENT

368538 VOLVO L120H 632080 - HYDRAULIC SYSTEM



Sample No: VCP392200
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 368538



SAMPLE INFORMATION

Sample Number	VCP392200	VCP297710	VCP240887	VCP221548
Sample Date	19 Jun 2023	30 Jun 2021	13 Aug 2019	16 Nov 2018
Machine Hours	30691	20306	12083	8245
Oil Hours	4000	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	SEVERE	ATTENTION	NORMAL	NORMAL

STRONGCO EQUIP (AB)
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 RED DEER COUNTY, AB
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OIL CONDITION

Visc @ 40°C	cSt	41.1	40.6	39.9	41.5
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CONTAMINATION

Particles >4µm		79774	3721	903	1452
Particles >6µm		24186	1239	283	441
Particles >14µm		974	132	20	64
ISO 4406:1999 (c)		23/22/17	19/17/14	17/15/11	18/16/13
Silicon	ppm	7	12	9	5
Sodium	ppm	1	2	<1	<1
Potassium	ppm	<1	2	1	<1

Diagnosis

We advise that you check all areas where contaminants can enter the system. The oil change at the time of sampling has been noted. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation. All component wear rates are normal. There is a high amount of particulates (2 to 100 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	8	11	8	3
Copper	ppm	2	2	2	<1
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	<1	0	0
Aluminum	ppm	1	2	2	<1
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	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	59	64	63	60
Magnesium	ppm	<1	1	<1	<1
Zinc	ppm	432	436	444	436
Phosphorus	ppm	372	357	354	325
Barium	ppm	0	0	<1	0
Boron	ppm	<1	1	<1	<1

Depot: VOLVO9652
Unique No: 5594371
Signed: Wes Davis
Report Date: 21 Jun 2023

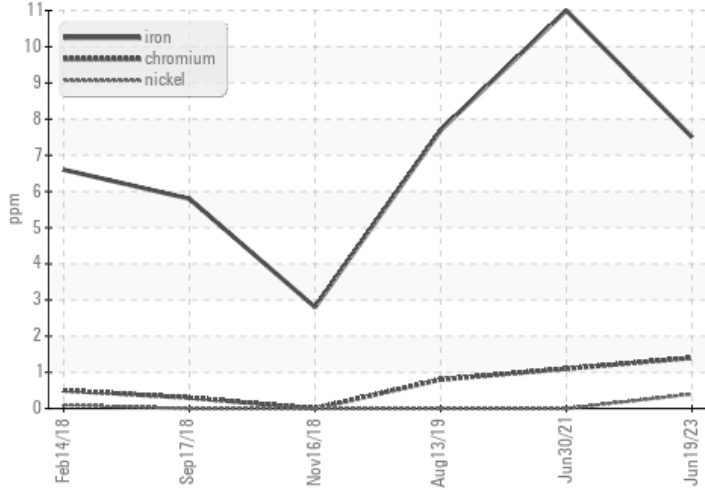


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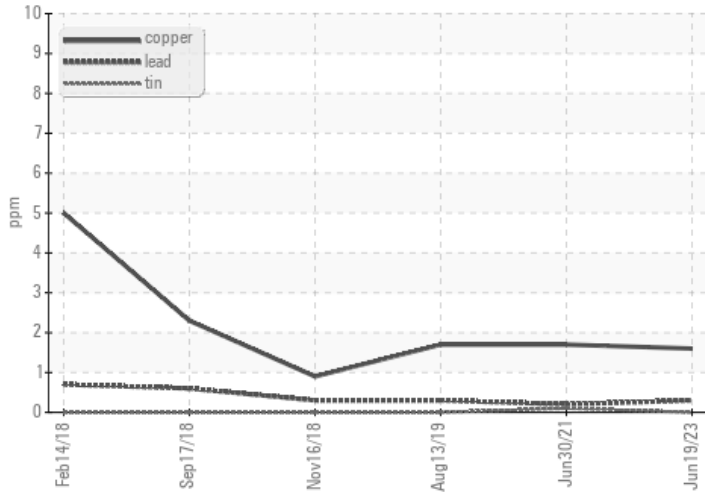


VOLVO GRAPHS

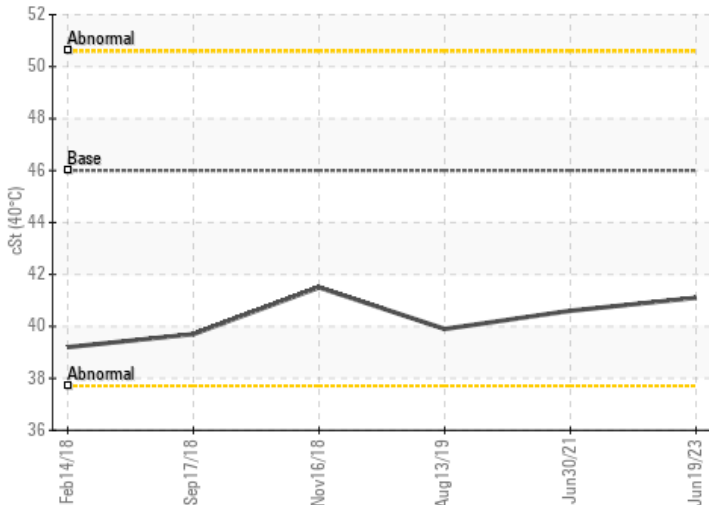
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

