



CONSTRUCTION EQUIPMENT

365439 VOLVO L120H 632067 - HYDRAULIC SYSTEM



Sample No: VCP380879
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 365439



SAMPLE INFORMATION

Sample Number	VCP380879	VCP332778	VCP334133	VCP275204
Sample Date	24 May 2023	04 May 2022	14 Feb 2022	06 Apr 2021
Machine Hours	25175	21283	19715	15936
Oil Hours	4000	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	NORMAL

STRONGCO EQUIP (AB)
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 RED DEER COUNTY, AB
 CA T4S 2L4
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OIL CONDITION

Visc @ 40°C	cSt	41.5	41.6	41.5	41.2
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CONTAMINATION

Particles >4µm		7583	15355	59770	2504
Particles >6µm		2242	3367	13863	686
Particles >14µm		271	173	461	53
ISO 4406:1999 (c)		20/18/15	21/19/15	23/21/16	19/17/13
Silicon	ppm	7	8	13	8
Sodium	ppm	1	<1	<1	2
Potassium	ppm	<1	<1	<1	<1

Diagnosis

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



ADDITIVES

Calcium	ppm	68	56	58	64
Magnesium	ppm	<1	<1	<1	1
Zinc	ppm	418	443	433	442
Phosphorus	ppm	364	371	353	330
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	<1	<1

Depot: VOLVO9652
Unique No: 5580878
Signed: Wes Davis
Report Date: 29 May 2023

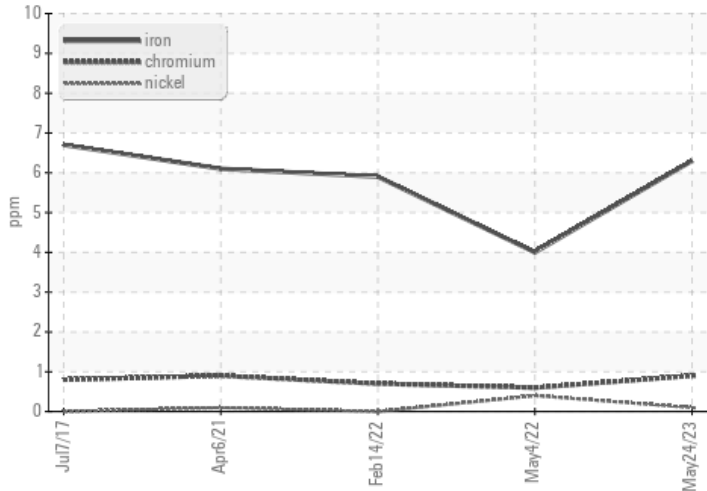


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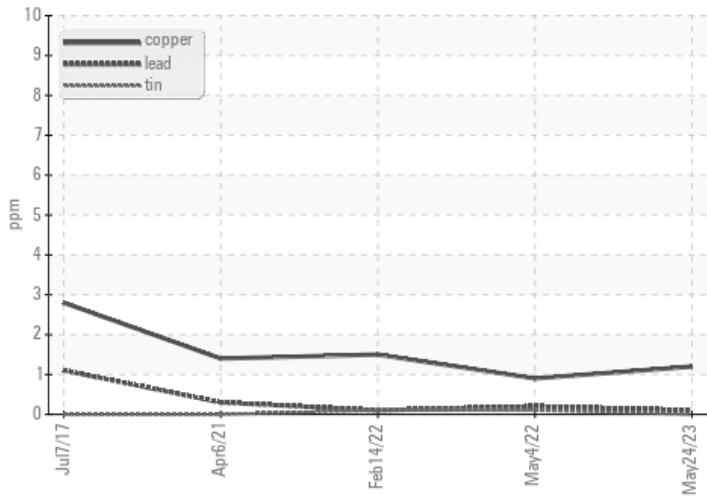


GRAPHS

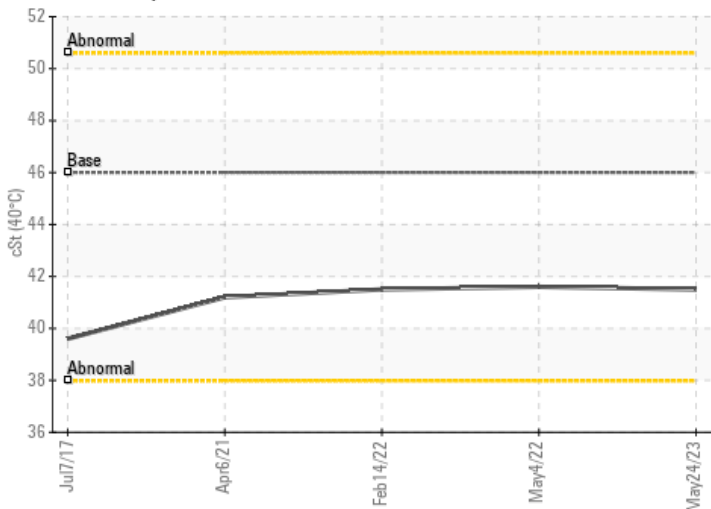
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

