



CONSTRUCTION EQUIPMENT

VOLVO L120H 632081 - HYDRAULIC SYSTEM



Sample No: VCP347413
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP347413	VCP299264	VCP260308	VCP242994
Sample Date	16 May 2022	17 Jun 2021	31 Jan 2020	28 Jun 2019
Machine Hours	24847	19757	15849	12068
Oil Hours	4000	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

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

Visc @ 40°C	cSt	41.3	41.1	40.6	40.2
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CONTAMINATION

Particles >4µm	23268	1175	3572	3334	
Particles >6µm	4958	354	1026	281	
Particles >14µm	246	25	69	12	
ISO 4406:1999 (c)	22/19/15	17/16/12	19/17/13	19/15/11	
Silicon	ppm	13	9	8	11
Sodium	ppm	<1	1	<1	1
Potassium	ppm	<1	<1	<1	1

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. Oil Cleanliness are abnormally high. Particles >14µm are abnormally high. Particles >21µm are notably high. Particles >6µm are notably high. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

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



ADDITIVES

Calcium	ppm	59	59	60	65
Magnesium	ppm	2	1	<1	2
Zinc	ppm	437	441	444	441
Phosphorus	ppm	364	330	340	349
Barium	ppm	0	<1	<1	0
Boron	ppm	<1	<1	<1	0

Depot: VOLVO9652
Unique No: 5398553
Signed: Wes Davis
Report Date: 19 May 2022

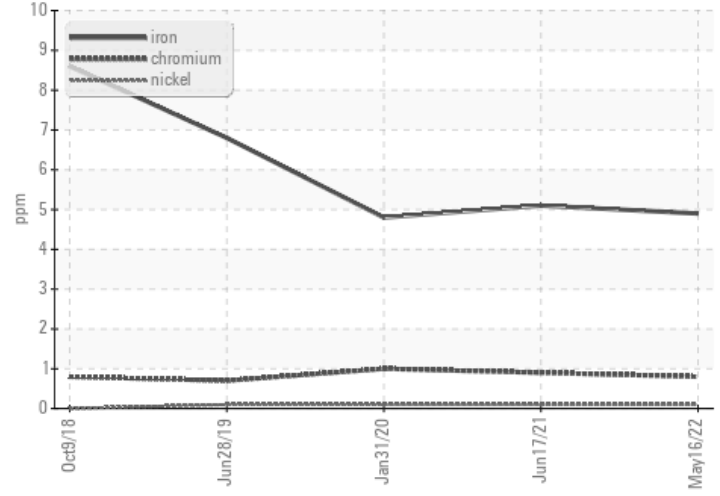


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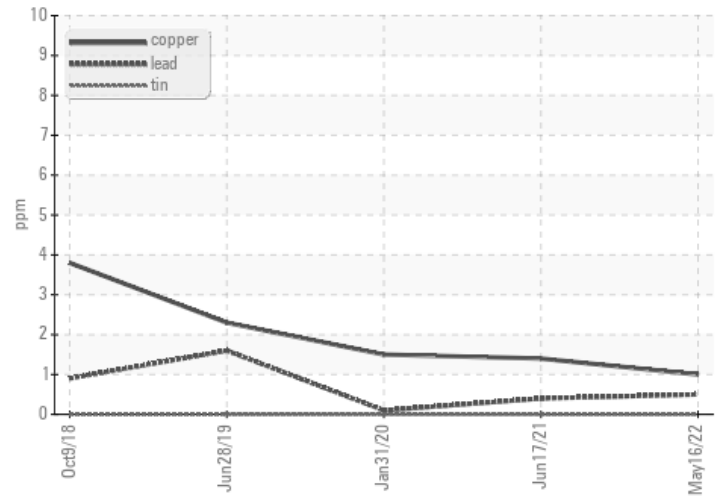


GRAPHS

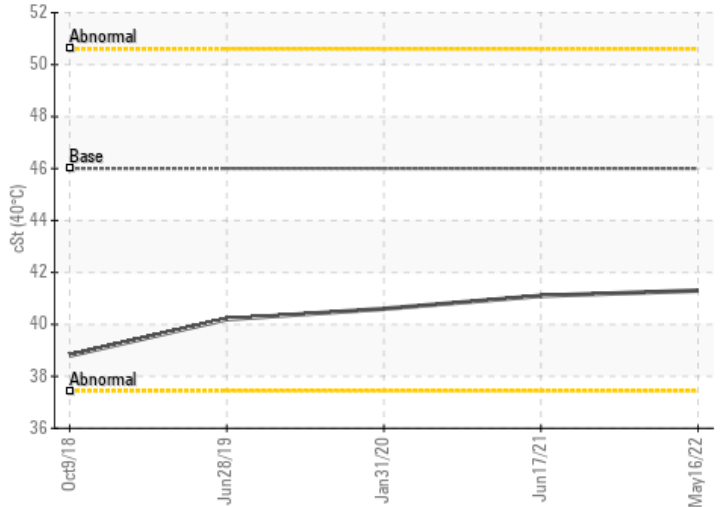
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



▲ Particle Count

