



CONSTRUCTION EQUIPMENT

8-326851 VOLVO EC220E 310830 - HYDRAULIC SYSTEM



Sample No: VCP352360
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 8-326851



SAMPLE INFORMATION

Sample Number	VCP352360	VCP281451	---	---
Sample Date	10 Jun 2022	07 May 2021	---	---
Machine Hours	3980	2993	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	MARGINAL	---	---

STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD
 MISSISSAUGA, ON
 CA L4W 4L4

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OIL CONDITION

Visc @ 40°C	cSt	41.7	41.0	---	---
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CONTAMINATION

Water	%	<0.1	<0.1	---	---
Particles >4µm		6347	34959	---	---
Particles >6µm		934	8962	---	---
Particles >14µm		48	741	---	---
ISO 4406:1999 (c)		20/17/13	22/20/17	---	---
Silicon	ppm	2	2	---	---
Sodium	ppm	0	<1	---	---
Potassium	ppm	1	<1	---	---

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	3	2	---	---
Copper	ppm	8	5	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	56	54	---	---
Magnesium	ppm	4	<1	---	---
Zinc	ppm	434	446	---	---
Phosphorus	ppm	380	338	---	---
Barium	ppm	0	0	---	---
Boron	ppm	1	0	---	---

Depot: SHEMIS
Unique No: 5412172
Signed: Wes Davis
Report Date: 17 Jun 2022

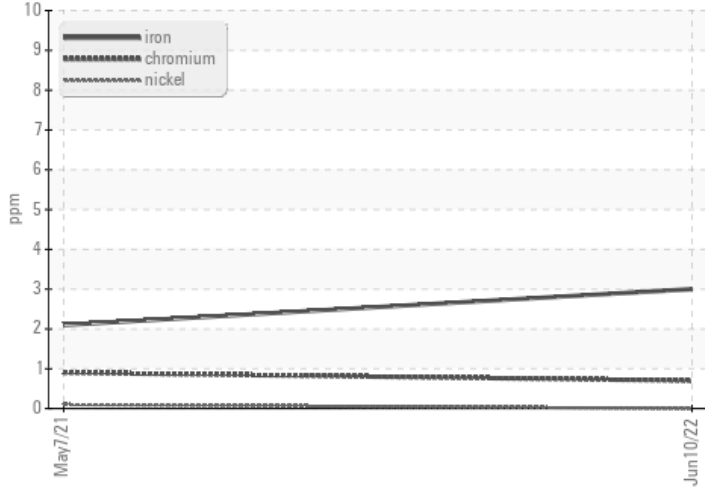


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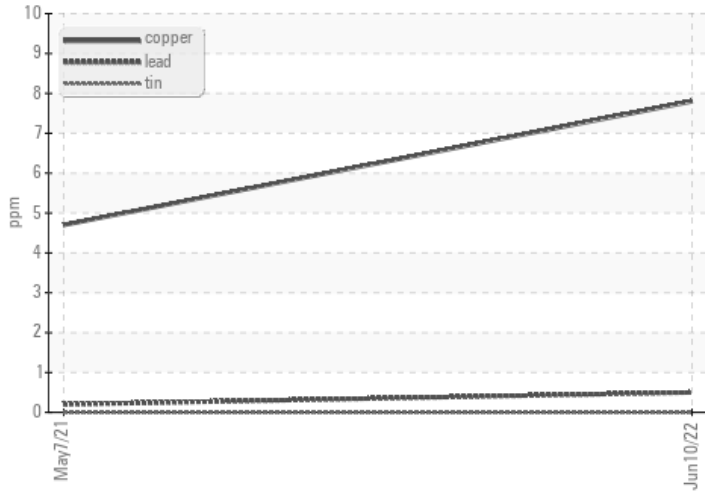


GRAPHS

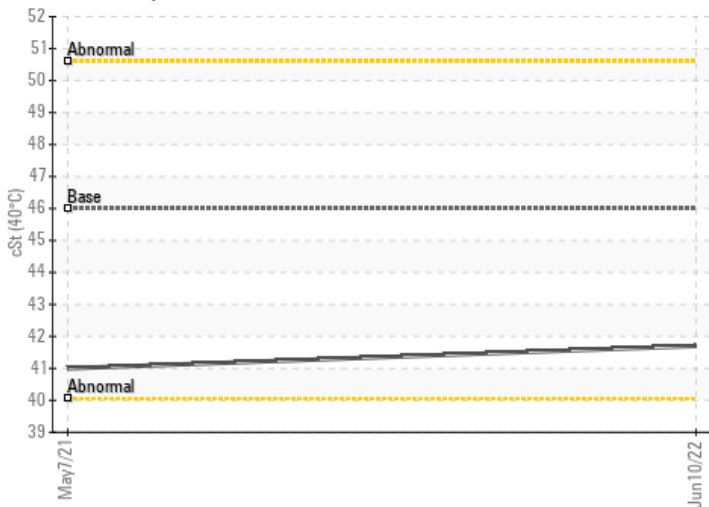
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

