



CONSTRUCTION EQUIPMENT

SPM552295 VOLVO EC330C 110079 - HYDRAULIC SYSTEM



Sample No: VCP419527
Oil Type: TDTO FLUID SAE 50
Job No: SPM552295



SAMPLE INFORMATION

Sample Number	VCP419527	VCP404063	VCP291210	---
Sample Date	04 May 2023	10 Jan 2023	06 Nov 2020	---
Machine Hours	15629	15318	14477	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

WASTE MANAGEMENT - GARY
 1508 SHERMAN ST
 GARY, IN
 US 46406
 Contact: TARA RORK

OIL CONDITION

Visc @ 40°C	cSt	40.3	40.3	33.4	---
Acid Number (AN)	mg KOH/g	0.65	0.50	0.347	---

T:
F:

CONTAMINATION

Particles >4µm	9316	11513	---	---	
Particles >6µm	277	803	---	---	
Particles >14µm	19	57	---	---	
ISO 4406:1999 (c)	20/15/11	21/17/13	---	---	
Silicon	ppm	0	<1	1	---
Sodium	ppm	0	0	0	---
Potassium	ppm	0	2	0	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

Iron	ppm	6	4	7	---
Copper	ppm	6	7	6	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	0	0	0	---
Chromium	ppm	5	4	2	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	0	0	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	89	87	35	---
Magnesium	ppm	6	7	0	---
Zinc	ppm	610	622	422	---
Phosphorus	ppm	475	473	298	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	1	---

Depot: WASGARIN
Unique No: 10472672
Signed: Doug Bogart
Report Date: 18 May 2023

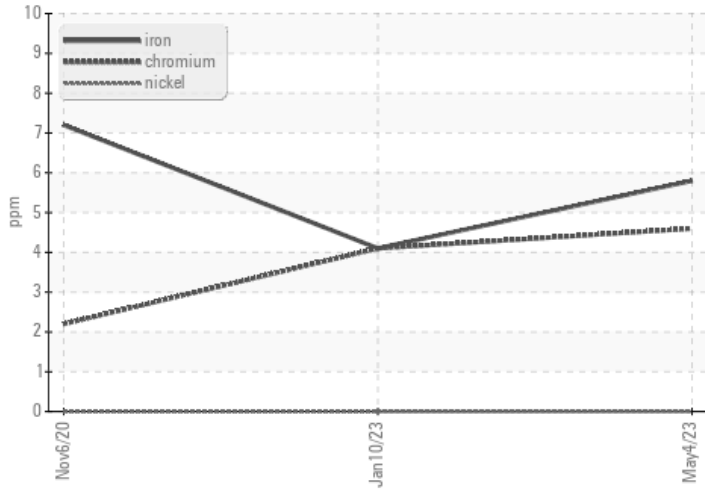


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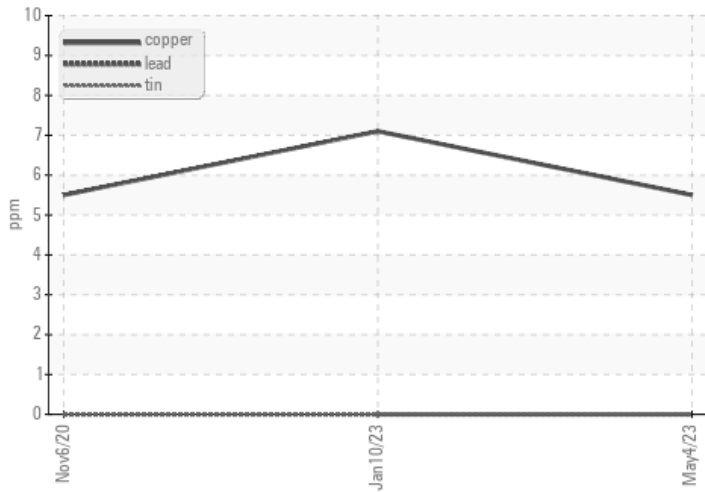


GRAPHS

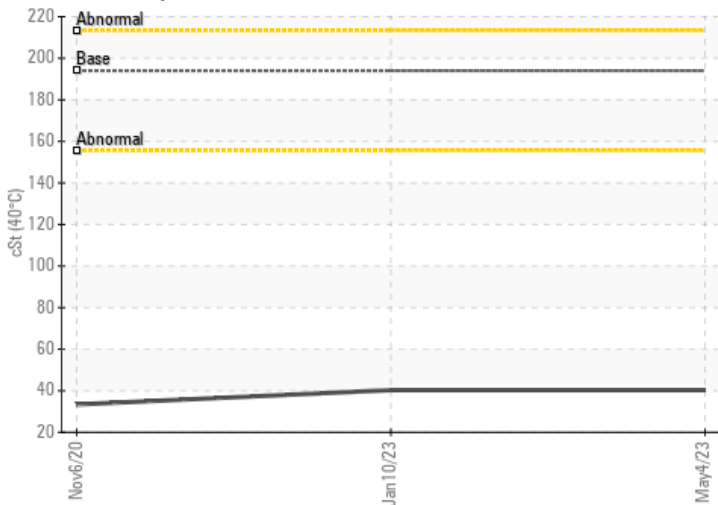
Ferrous Alloys



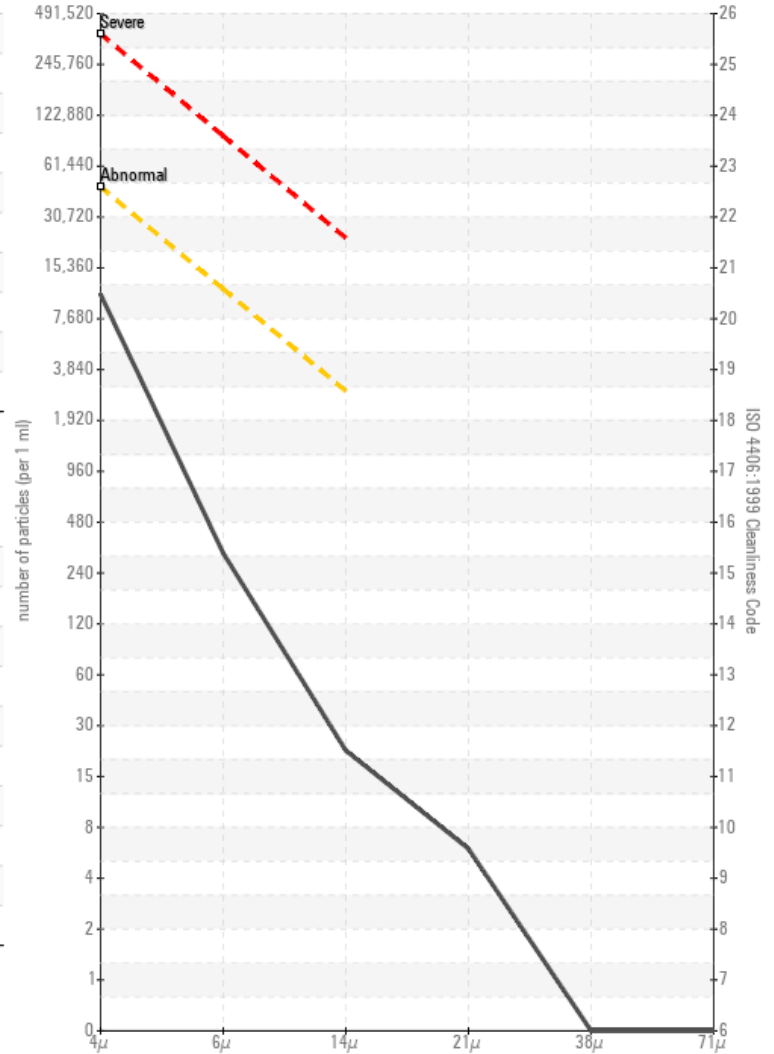
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

