



CONSTRUCTION EQUIPMENT

SPM659788-1 WASTE MG VOLVO L120E 632377 - HYDRAULIC SYSTEM



Sample No: VCP434978
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM659788-1 WASTE MG



SAMPLE INFORMATION

Sample Number	VCP434978	VCP432661	VCP358204	VCP367854
Sample Date	17 Jan 2024	08 Nov 2023	06 Sep 2023	24 Jan 2023
Machine Hours	11308	10919	10556	9215
Oil Hours	0	0	0	9215
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ATTENTION	NORMAL	ATTENTION	ATTENTION

ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE
 BLOOMINGTON, IL
 US 61705
 Contact: MIKE MARTIN
 mike.martin@altaequipment.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	40.7	41.0	40.5	32.0
Acid Number (AN)	mg KOH/g	0.36	0.37	0.41	0.40



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		6378	1114	6861	3384
Particles >6µm		1514	184	1749	702
Particles >14µm		101	14	124	24
ISO 4406:1999 (c)		20/18/14	17/15/11	20/18/14	19/17/12
Silicon	ppm	1	<1	<1	<1
Sodium	ppm	3	3	3	1
Potassium	ppm	1	0	0	1

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present 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	3	2	4	10
Copper	ppm	<1	<1	1	2
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	0	0	<1	0
Chromium	ppm	<1	0	<1	2
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	44	42	62	70
Magnesium	ppm	8	6	15	5
Zinc	ppm	433	376	457	477
Phosphorus	ppm	404	360	465	359
Barium	ppm	0	0	0	0
Boron	ppm	0	0	<1	0

Depot: VOLVO5054
Unique No: 10860320
Signed: Wes Davis
Report Date: 05 Feb 2024

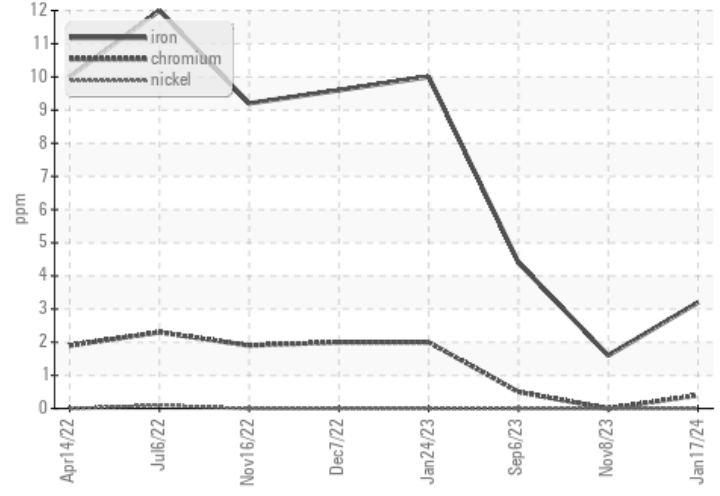


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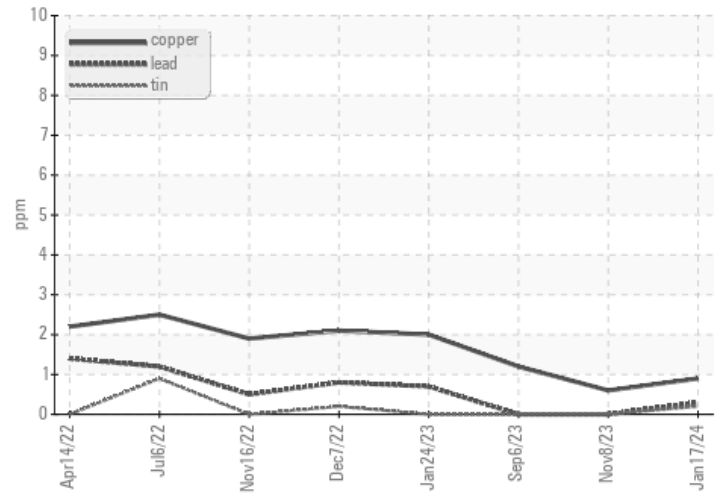


VOLVO GRAPHS

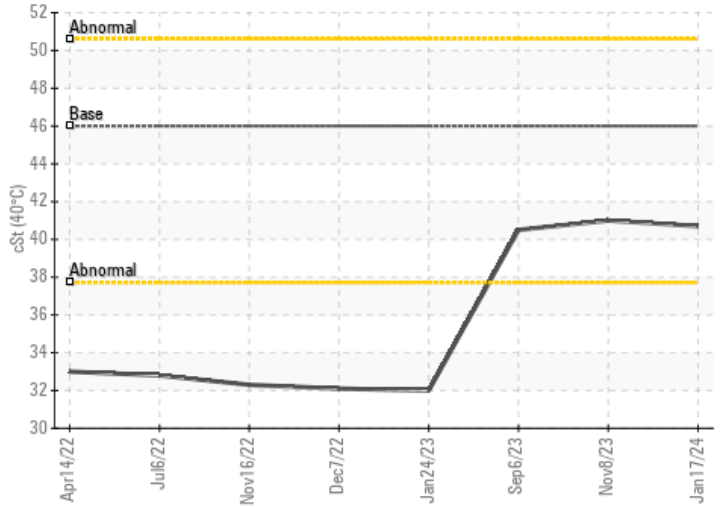
Ferrous Alloys



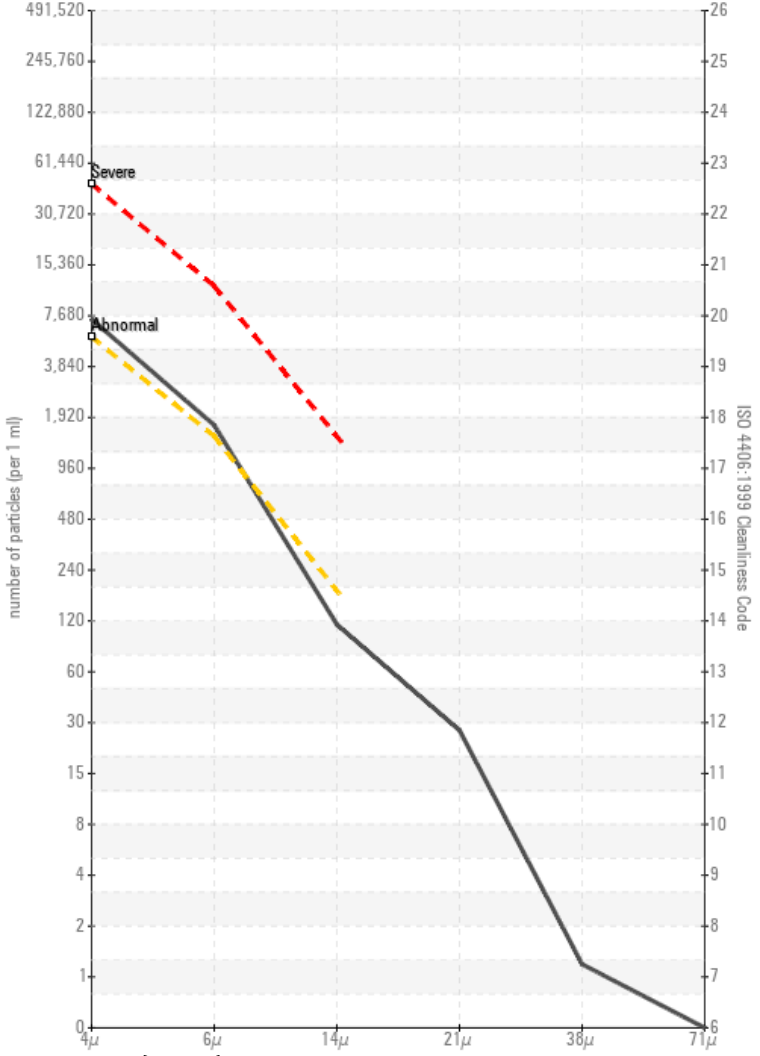
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

