



CONSTRUCTION EQUIPMENT

ASCENDUM MACHINERY 500HR CSA/CANDOR, NC VOLVO L150H 2040 (S/N 6410) - HYDRAULIC SYSTEM



Sample No: VCP393272

Oil Type: VOLVO SUPER HYDRAULIC OIL 46

Job No:



SAMPLE INFORMATION

Sample Number	VCP393272	VCP05722992	VCP366275	VCP0000995
Sample Date	25 Jul 2023	20 Dec 2022	15 Sep 2022	18 Mar 2022
Machine Hours	8961	8535	8087	7023
Oil Hours	0	0	0	2944
Oil Changed	Not Changd	N/A	Changed	Not Changd
Sample Status	ATTENTION	NORMAL	NORMAL	ABNORMAL

G S MATERIALS INC

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OIL CONDITION

Visc @ 40°C	cSt	41.7	41.9	41.4	40.5
Acid Number (AN)	mg KOH/g	0.25	0.37	0.35	0.28

CONTAMINATION

Particles >4µm		7658	3420	4562	---
Particles >6µm		2491	693	1102	---
Particles >14µm		197	20	67	---
ISO 4406:1999 (c)		20/18/15	19/17/11	19/17/13	---
Silicon	ppm	12	9	11	9
Sodium	ppm	0	<1	<1	0
Potassium	ppm	<1	0	0	2

Diagnosis

We recommend you service the filters on this component. 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	7	3	8	7
Copper	ppm	3	2	4	4
Lead	ppm	1	<1	<1	1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	11	8	11	8
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	105	86	94	119
Magnesium	ppm	26	25	37	52
Zinc	ppm	461	447	427	486
Phosphorus	ppm	357	362	342	369
Barium	ppm	2	0	0	0
Boron	ppm	0	0	1	<1

Depot: GANBURN C
Unique No: 10575412
Signed: Wes Davis
Report Date: 28 Jul 2023

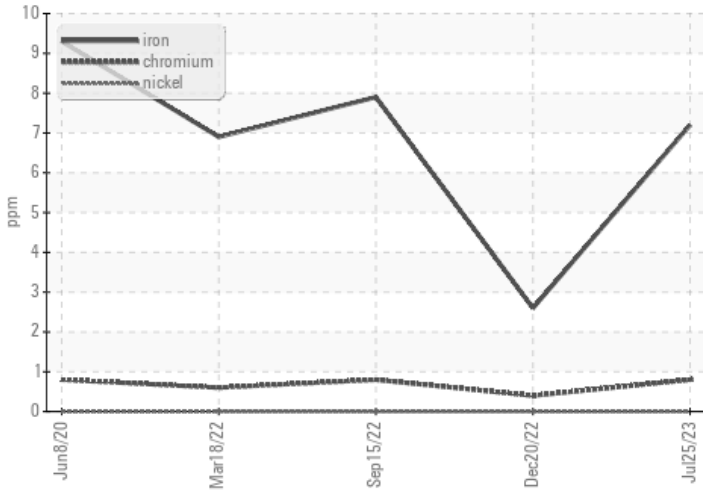


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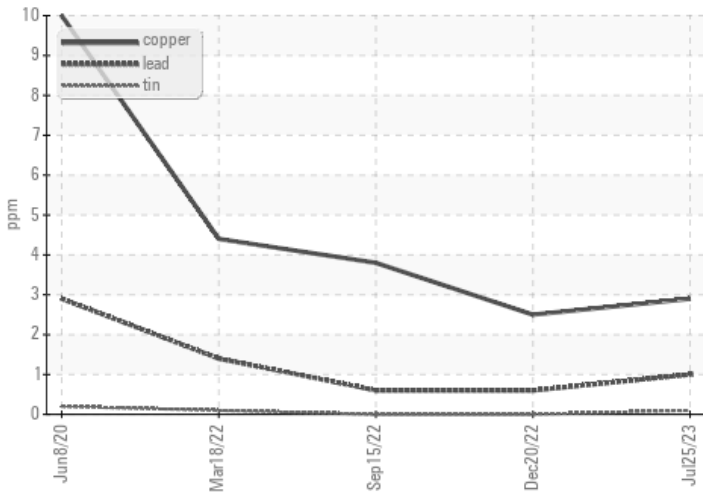


GRAPHS

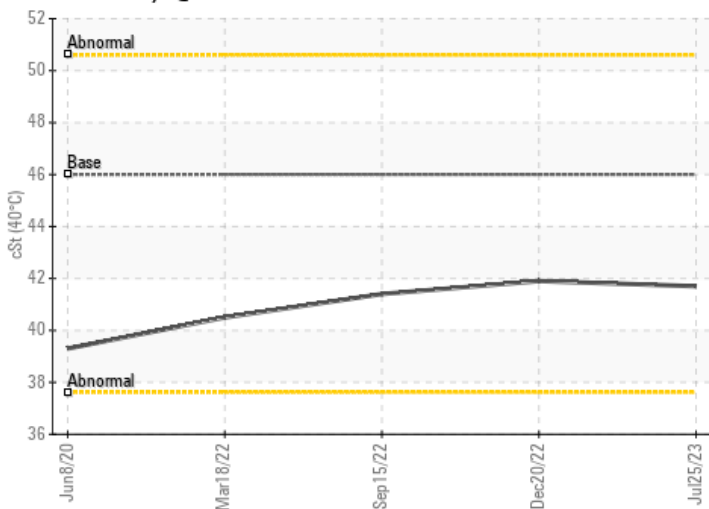
Ferrous Alloys



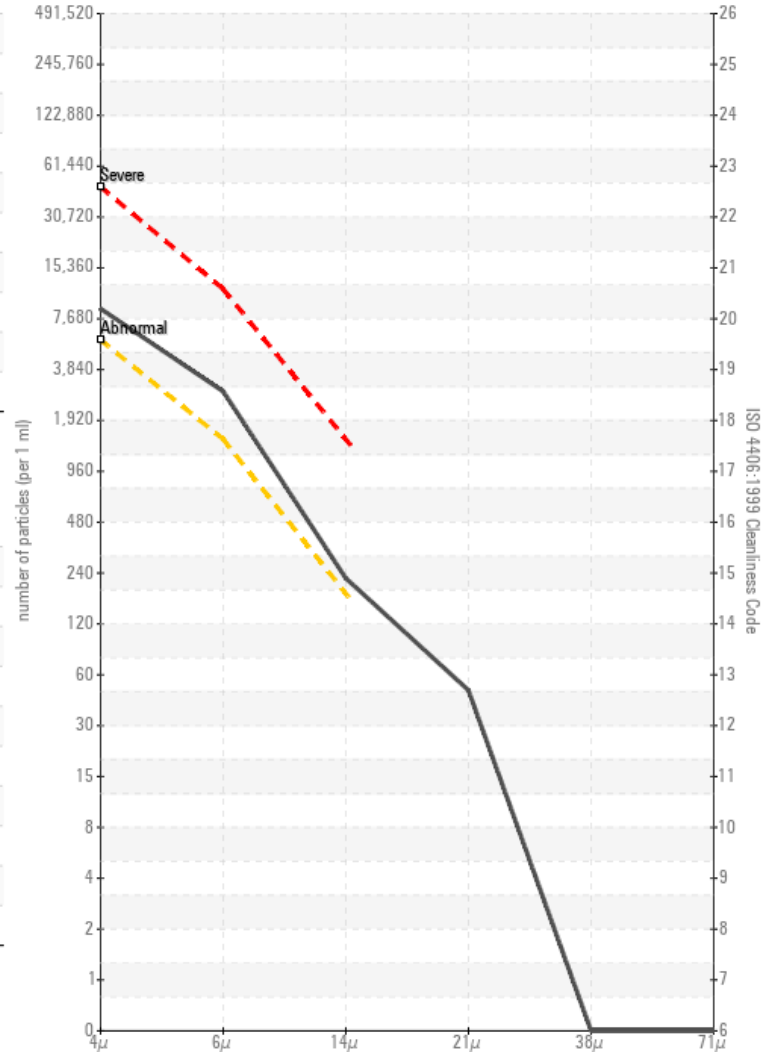
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

