



CONSTRUCTION EQUIPMENT

19879 VOLVO L260H 1092 - HYDRAULIC SYSTEM



Sample No: VCP395183

Oil Type: NOT GIVEN

Job No: 19879



SAMPLE INFORMATION

Sample Number	VCP395183	VCP339926	VCP296333	VCP250664
Sample Date	04 Oct 2023	21 Dec 2021	11 Jan 2021	07 Apr 2020
Machine Hours	11125	7181	4799	3020
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	N/A
Sample Status	SEVERE	ABNORMAL	NORMAL	NORMAL

Hanson Aggregates - Rocky Mount
10471 NC 97
ROCKY MOUNT, NC
US 27801
Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	41.6	42.8	42.1	39.0
Acid Number (AN)	mg KOH/g	0.681	0.149	0.358	0.434

T:
F:



CONTAMINATION

Particles >4µm	94904	45326	30008	19143	
Particles >6µm	2842	724	516	181	
Particles >14µm	34	39	19	12	
ISO 4406:1999 (c)	24/19/12	23/17/12	22/16/11	21/15/11	
Silicon	ppm	7	3	2	2
Sodium	ppm	4	<1	1	<1
Potassium	ppm	1	<1	8	<1

Diagnosis

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. The filter change at the time of sampling has been noted. Resample in 30-45 days to monitor this situation. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	10	6	3	4
Copper	ppm	4	3	3	6
Lead	ppm	1	1	1	1
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	3	2	<1	<1
Chromium	ppm	3	3	2	3
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	507	42	51	53
Magnesium	ppm	3	1	0	<1
Zinc	ppm	480	412	444	483
Phosphorus	ppm	368	310	369	360
Barium	ppm	<1	0	0	<1
Boron	ppm	0	<1	0	12

Depot: HANROC
Unique No: 10701993
Signed: Wes Davis
Report Date: 23 Oct 2023

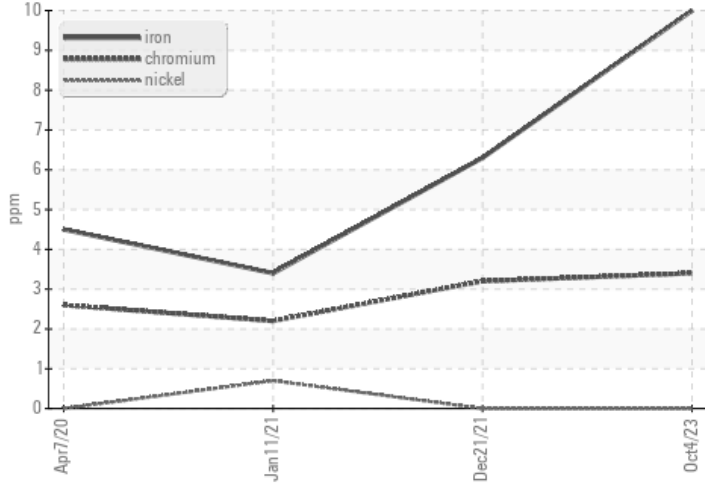


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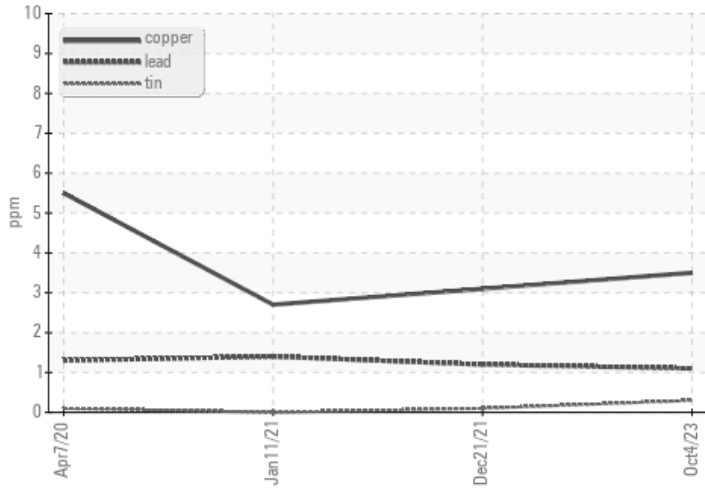


GRAPHS

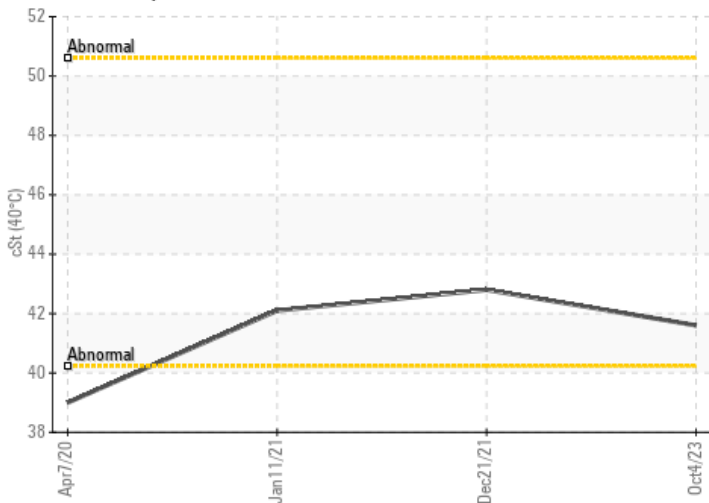
Ferrous Alloys



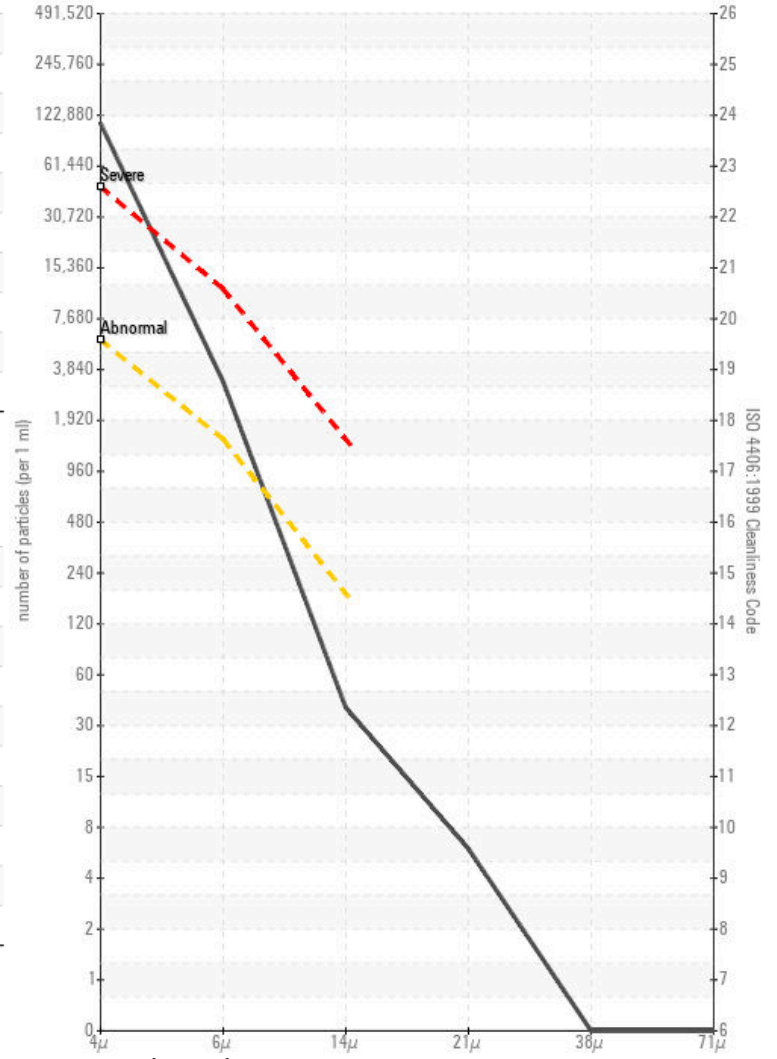
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

