



CONSTRUCTION EQUIPMENT

19097 ADAMS PRODUCTS VOLVO L70H 623761 - HYDRAULIC SYSTEM



Sample No: VCP417291
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 19097 ADAMS PRODUCTS



SAMPLE INFORMATION

Sample Number	VCP417291	VCP341497	VCP338709	VCP325701
Sample Date	14 Jul 2023	18 Feb 2022	11 Nov 2021	10 Sep 2021
Machine Hours	8741	5615	5044	4610
Oil Hours	0	0	0	0
Oil Changed	Not Changd	N/A	N/A	Not Changd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	NORMAL

117 - ASCENDUM MACHINERY INC - GREENVILLE
 2002 N GREENE ST
 GREENVILLE, NC
 US 27834
 Contact: BRANDON JENKINS
 BRANDON.JENKINS@ASCENDUMMACHINERY.COM
 T:
 F: (704)494-8197



OIL CONDITION

Visc @ 40°C	cSt	42.2	41.6	42.3	43.4
Acid Number (AN)	mg KOH/g	0.38	0.35	0.285	0.421



CONTAMINATION

Particles >4µm	1095	15845	134739	508	
Particles >6µm	286	2535	54697	107	
Particles >14µm	19	273	3987	7	
ISO 4406:1999 (c)	17/15/11	21/19/15	24/23/19	16/14/10	
Silicon	ppm	7	5	6	4
Sodium	ppm	3	<1	0	<1
Potassium	ppm	2	2	<1	0

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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	15	2	11	2
Copper	ppm	2	3	2	2
Lead	ppm	2	2	2	2
Tin	ppm	<1	0	<1	0
Aluminum	ppm	2	2	3	0
Chromium	ppm	2	1	1	0
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	84	128	75	72
Magnesium	ppm	2	2	1	0
Zinc	ppm	459	430	434	400
Phosphorus	ppm	337	329	323	308
Barium	ppm	0	0	0	0
Boron	ppm	0	0	1	1

Depot: VOLVO8769
Unique No: 10587182
Signed: Wes Davis
Report Date: 04 Aug 2023

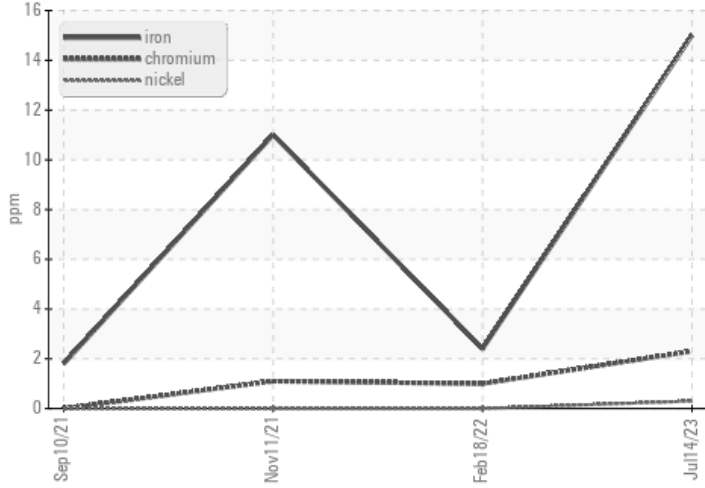


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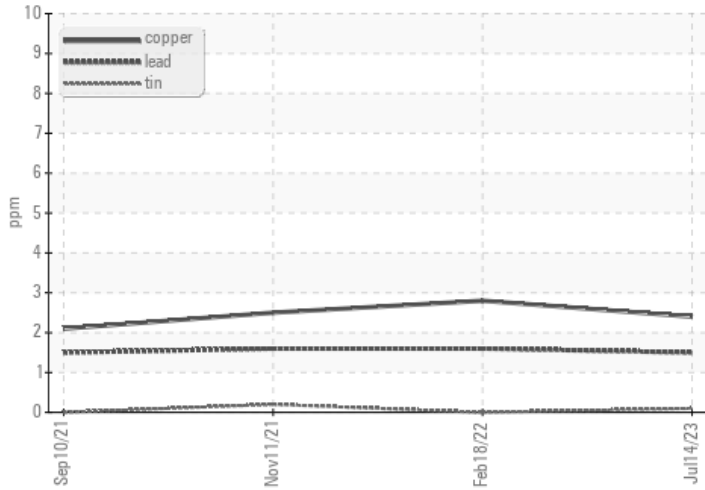


GRAPHS

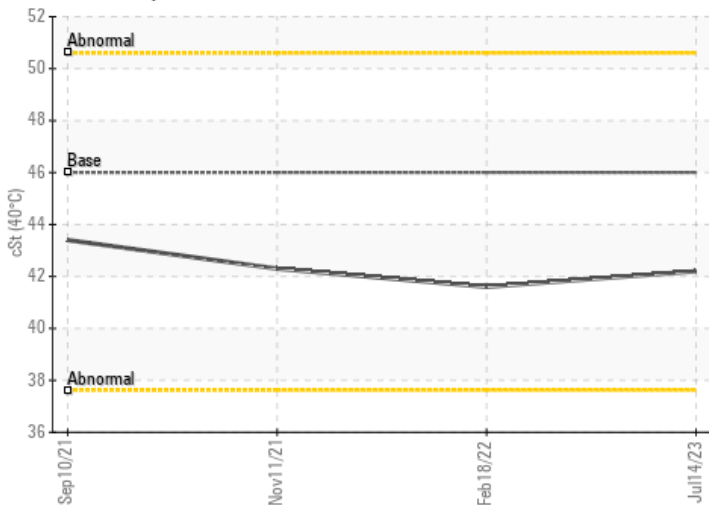
Ferrous Alloys



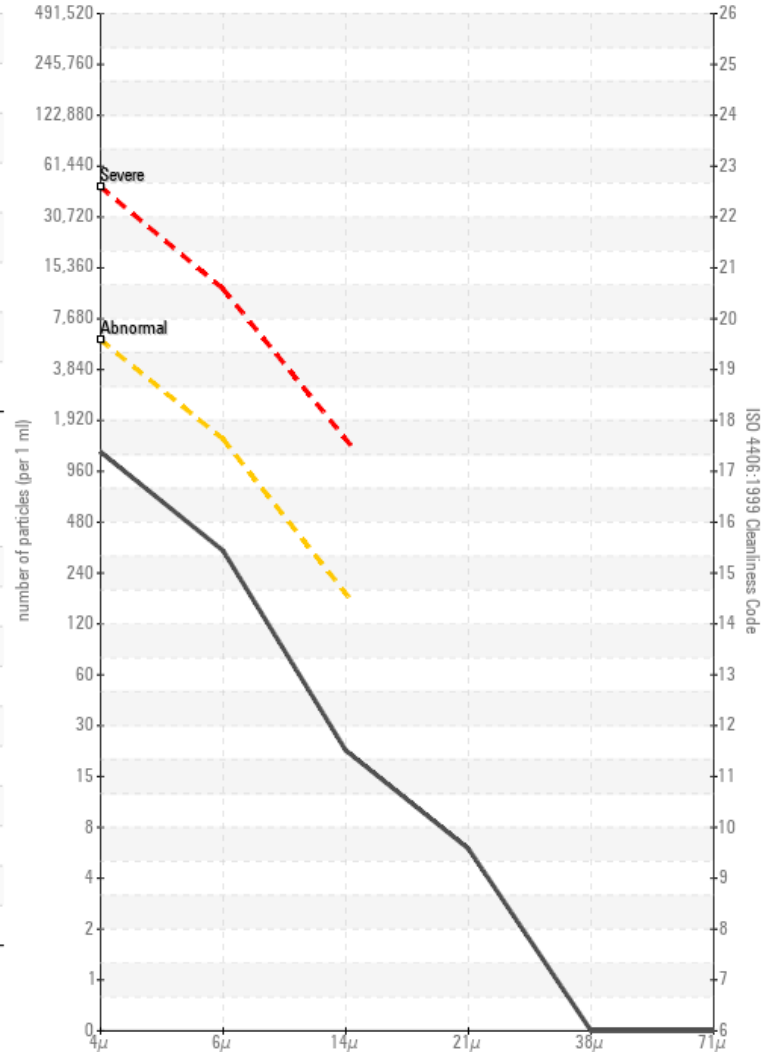
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

