



CONSTRUCTION EQUIPMENT

SWO-068173 APAC/MIDS VOLVO L150H 6814 - HYDRAULIC SYSTEM



Sample No: VCP428533
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWO-068173 APAC/MIDS



SAMPLE INFORMATION

Sample Number	VCP428533	VCP354664	VCP303045	VCP288648
Sample Date	10 Dec 2023	12 Jun 2022	08 Mar 2021	06 Oct 2020
Machine Hours	7105	5188	2676	3920
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

COWIN EQUIPMENT COMPANY INC
 1501 HWY 78 EAST
 OXFORD, AL
 US 36203
 Contact: STEVE CAMPBELL
 stcampbell@cowin.com
 T: (256)832-5053
 F: (256)831-4295



OIL CONDITION

Visc @ 40°C	cSt	42.6	41.0	42.7	40.5
Acid Number (AN)	mg KOH/g	0.22	0.46	0.345	0.477



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		6855	1403	---	11595
Particles >6µm		1102	173	---	3016
Particles >14µm		59	20	---	254
ISO 4406:1999 (c)		20/17/13	18/15/11	---	21/19/15
Silicon	ppm	6	5	2	2
Sodium	ppm	3	2	0	0
Potassium	ppm	0	0	0	<1

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	3	5	2	2
Copper	ppm	2	4	3	7
Lead	ppm	<1	2	1	2
Tin	ppm	0	<1	0	<1
Aluminum	ppm	2	2	0	0
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	4	9	9	0
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	2	0	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	117	128	129	39
Magnesium	ppm	13	23	26	<1
Zinc	ppm	443	433	454	415
Phosphorus	ppm	363	359	344	305
Barium	ppm	0	0	<1	0
Boron	ppm	4	11	10	<1

Depot: COWOXF
Unique No: 10783230
Signed: Wes Davis
Report Date: 14 Dec 2023

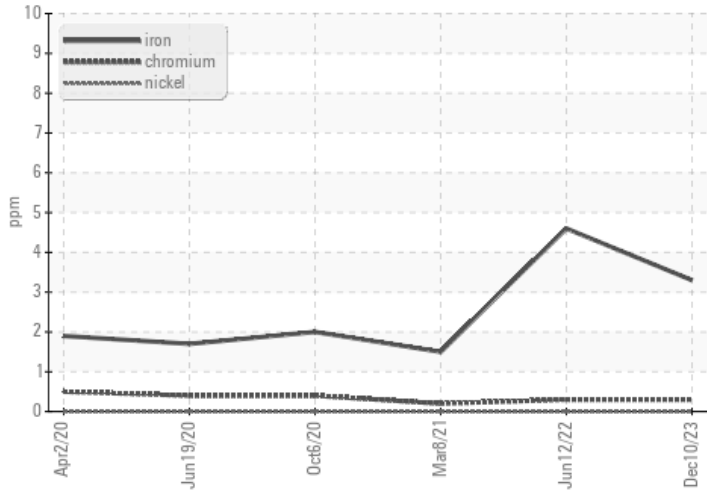


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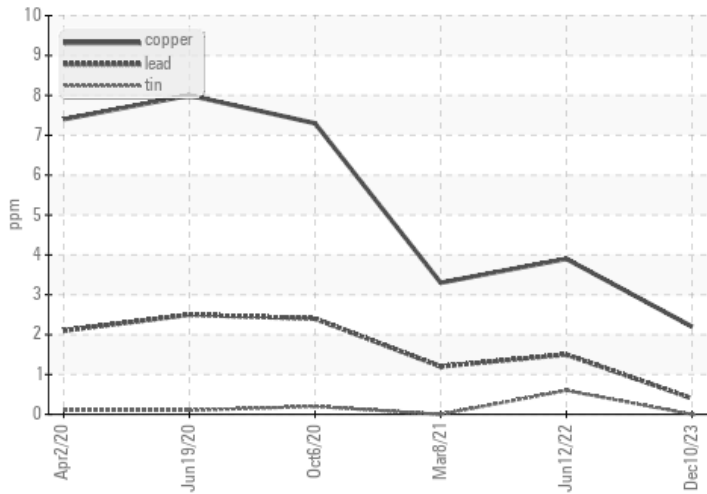


VOLVO GRAPHS

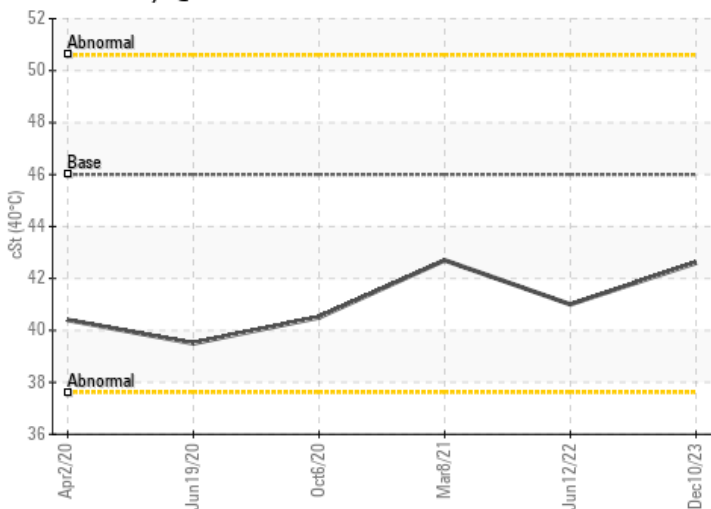
Ferrous Alloys



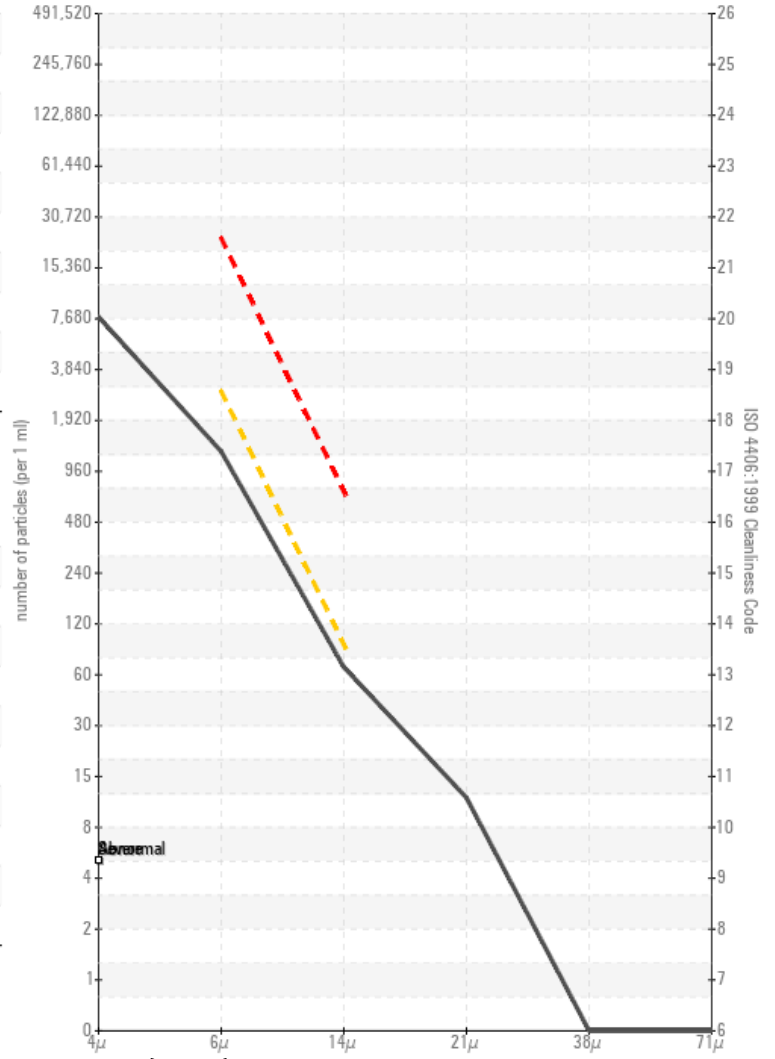
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

