



CONSTRUCTION EQUIPMENT

CABELLA FOREST PROD VOLVO L180H 4757 - HYDRAULIC SYSTEM



Sample No: VCP417525
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: CABELLA FOREST PROD



SAMPLE INFORMATION

Sample Number	VCP417525	VCP321167	---	---
Sample Date	27 Jun 2023	24 Sep 2021	---	---
Machine Hours	12328	7996	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

160 - ASCENDUM MACHINERY INC - MILLS RIVER
 215 FANNING FIELDS RD
 MILLS RIVER, NC
 US 28759
 Contact: BRANDON DRAKE
 brandon.drake@ascendummachinery.com
 T: 8(286)687-0620
 F: (828)687-0622



OIL CONDITION

Visc @ 40°C	cSt	42.3	41.4	---	---
Acid Number (AN)	mg KOH/g	0.31	0.329	---	---



CONTAMINATION

Particles >4µm		84719	6661	---	---
Particles >6µm		30452	641	---	---
Particles >14µm		1723	71	---	---
ISO 4406:1999 (c)		24/22/18	20/17/13	---	---
Silicon	ppm	4	4	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	2	0	---	---

Diagnosis

Oil and 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 high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



WEAR METALS

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



ADDITIVES

Calcium	ppm	53	47	---	---
Magnesium	ppm	8	1	---	---
Zinc	ppm	399	430	---	---
Phosphorus	ppm	328	333	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO1672
Unique No: 10536039
Signed: Angela Borella
Report Date: 30 Jun 2023

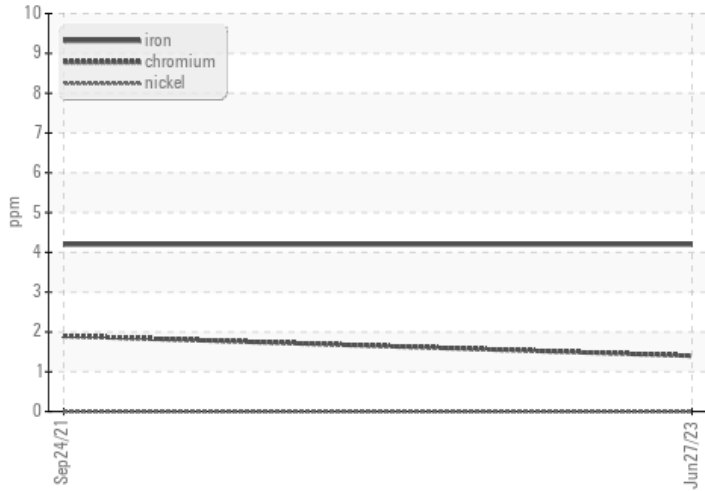


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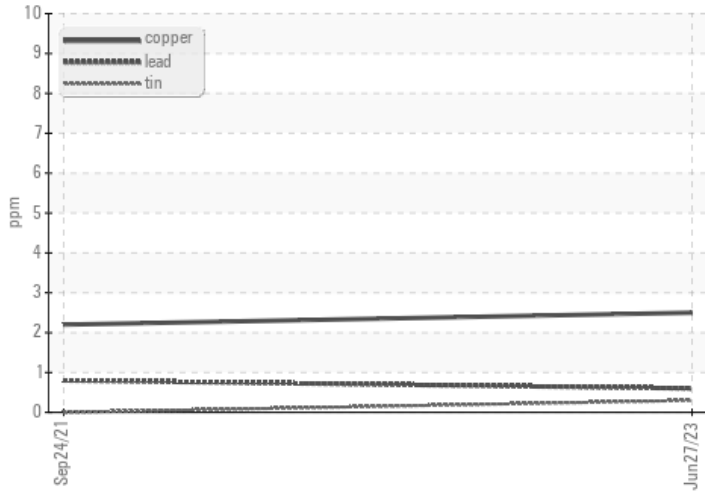


VOLVO GRAPHS

Ferrous Alloys



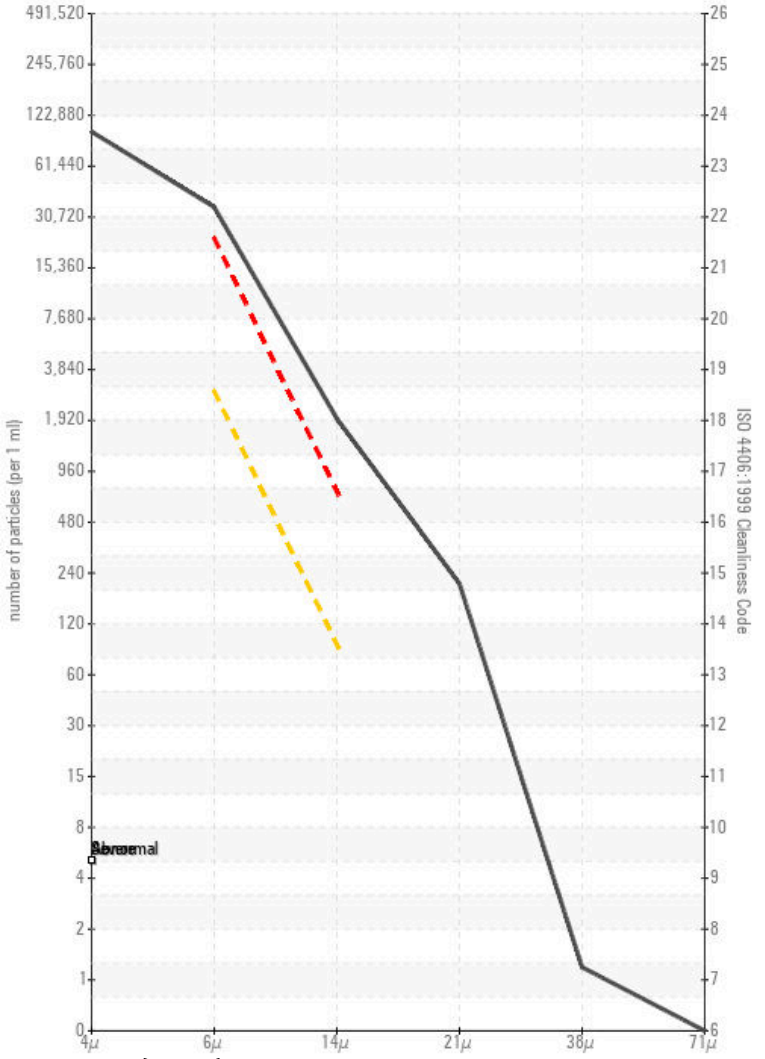
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

