



CONSTRUCTION EQUIPMENT

TRANSPORT LEASING VOLVO L180H 3090 - HYDRAULIC SYSTEM



Sample No: VCP402042
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: TRANSPORT LEASING



SAMPLE INFORMATION

Sample Number	VCP402042	VCP360555	VCP335698	---
Sample Date	29 Nov 2023	11 Apr 2022	10 Mar 2022	---
Machine Hours	20392	16901	16583	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	44.1	45.5	43.6	---
Acid Number (AN)	mg KOH/g	0.27	0.35	0.36	---

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		1351	4191	52599	---
Particles >6µm		407	662	17610	---
Particles >14µm		31	53	2328	---
ISO 4406:1999 (c)		18/16/12	19/17/13	23/21/18	---
Silicon	ppm	4	4	6	---
Sodium	ppm	0	0	1	---
Potassium	ppm	1	2	<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	3	5	---
Copper	ppm	<1	<1	1	---
Lead	ppm	0	<1	0	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	<1	2	1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	3	4	3	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	<1	0	---
Manganese	ppm	0	<1	0	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	131	180	186	---
Magnesium	ppm	19	30	29	---
Zinc	ppm	433	483	447	---
Phosphorus	ppm	344	375	404	---
Barium	ppm	0	0	0	---
Boron	ppm	2	6	4	---

Depot: VOLVO1835
Unique No: 10777452
Signed: Wes Davis
Report Date: 08 Dec 2023

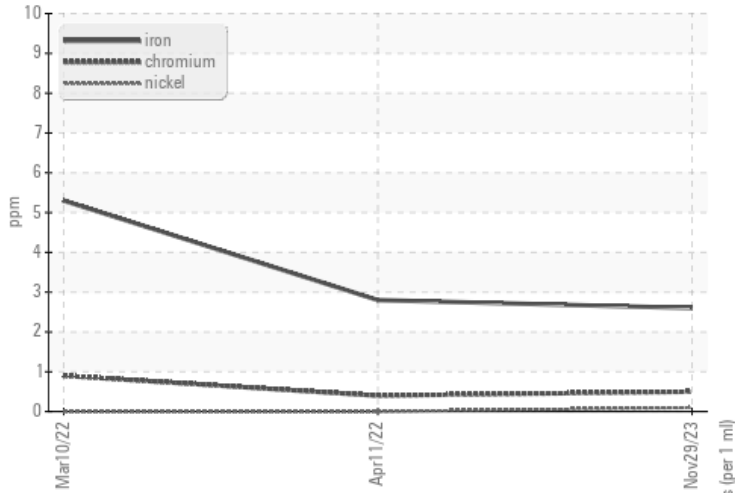


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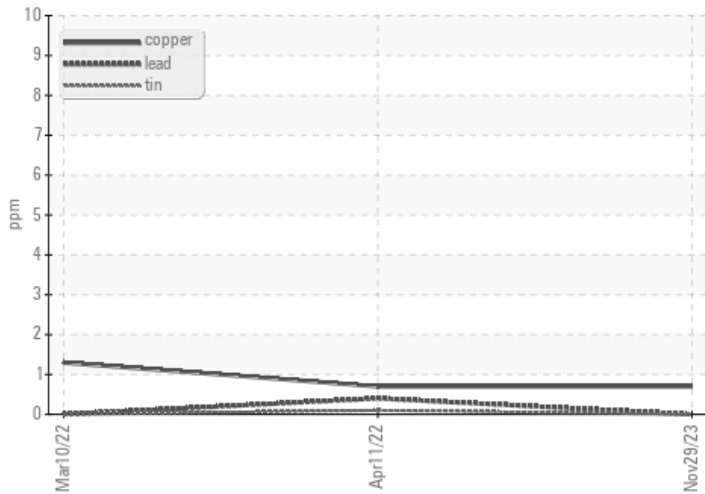


GRAPHS

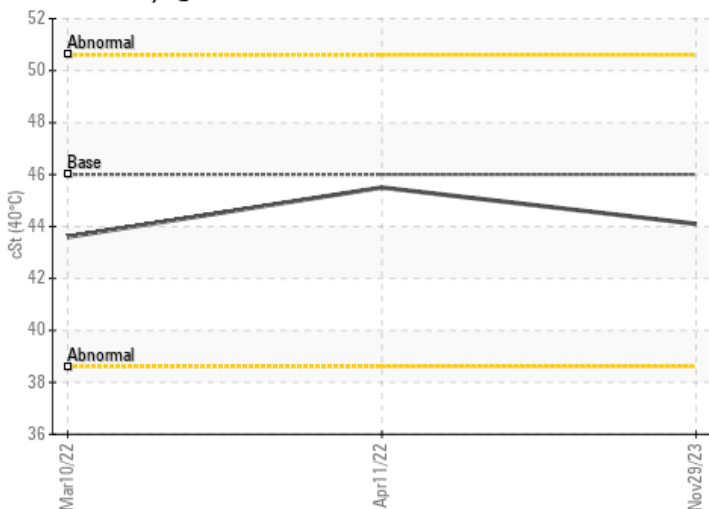
Ferrous Alloys



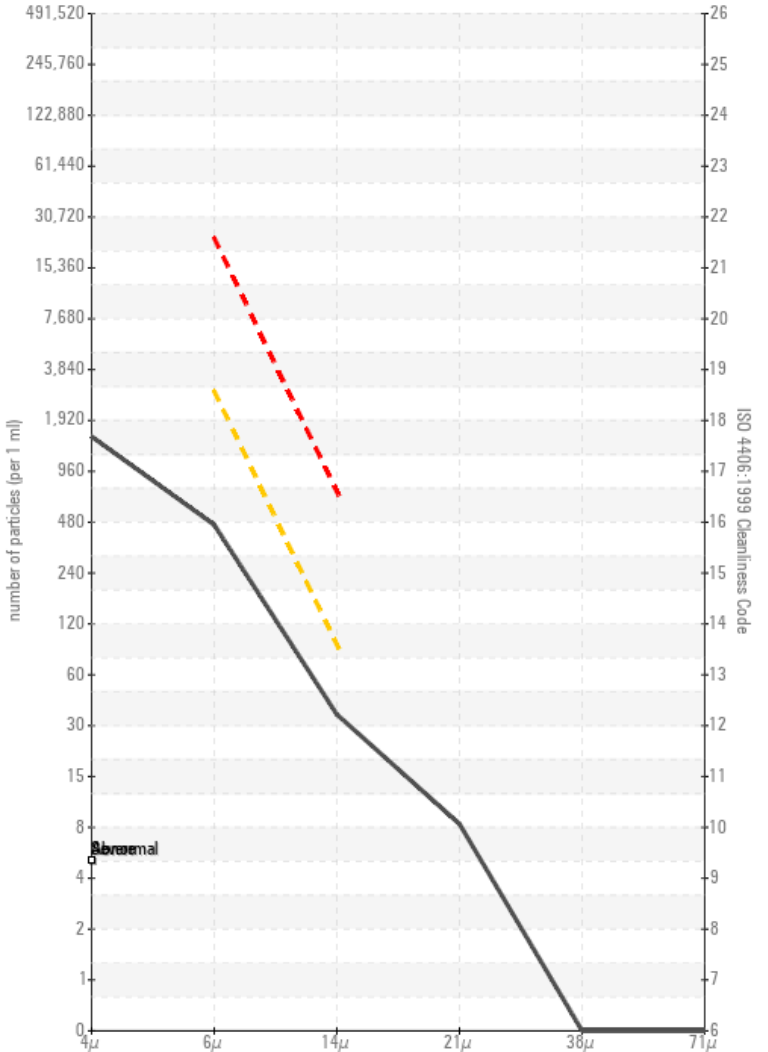
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

