



CONSTRUCTION EQUIPMENT

134741 INT TRANSFER ALJON 30135 - HYDRAULIC SYSTEM



Sample No: VCP434133
Oil Type: AW HYDRAULIC OIL ISO 32
Job No: 134741 INT TRANSFER



SAMPLE INFORMATION

Sample Number	VCP434133	VCP416025	VCP424570	---
Sample Date	31 Oct 2023	25 Aug 2023	09 Jun 2023	---
Machine Hours	2223	1823	1392	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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1519 W BELTLINE
 CARROLLTON, TX
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OIL CONDITION

Visc @ 40°C	cSt	32.0	29.9	30.1	---
Acid Number (AN)	mg KOH/g	0.46	0.41	0.42	---

CONTAMINATION

Particles >4µm		551	623	343	---
Particles >6µm		162	121	81	---
Particles >14µm		19	11	13	---
ISO 4406:1999 (c)		16/15/11	16/14/11	16/14/11	---
Silicon	ppm	<1	2	2	---
Sodium	ppm	0	1	0	---
Potassium	ppm	0	1	2	---

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	4	15	13	---
Copper	ppm	3	8	7	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	0	<1	0	---
Chromium	ppm	0	0	0	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	57	64	70	---
Magnesium	ppm	3	3	8	---
Zinc	ppm	435	443	455	---
Phosphorus	ppm	337	353	336	---
Barium	ppm	0	0	2	---
Boron	ppm	0	0	0	---

Depot: VOLVO0015
Unique No: 10726261
Signed: Wes Davis
Report Date: 06 Nov 2023

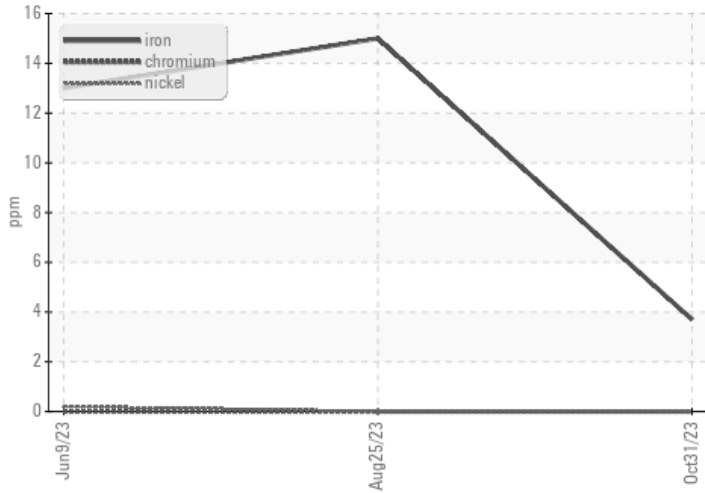


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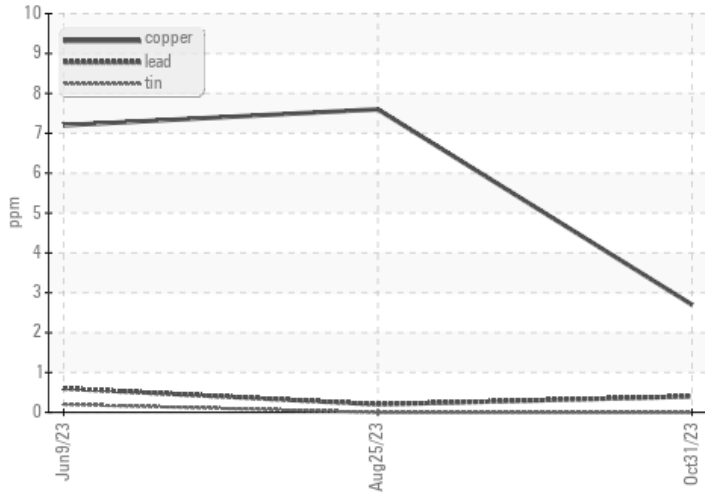


GRAPHS

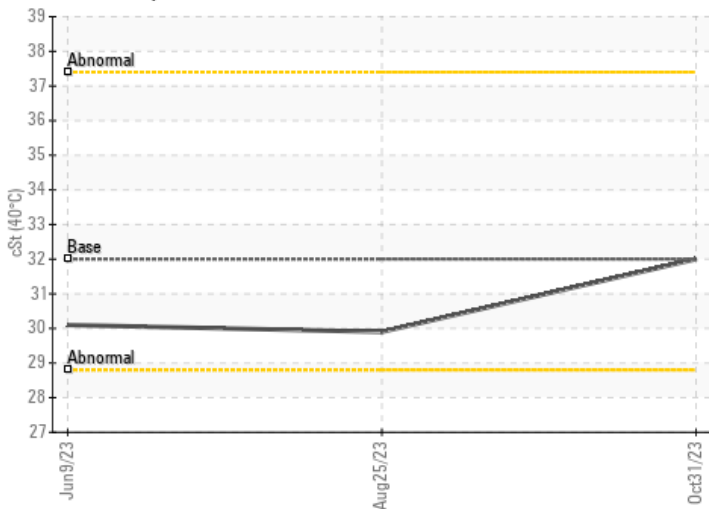
Ferrous Alloys



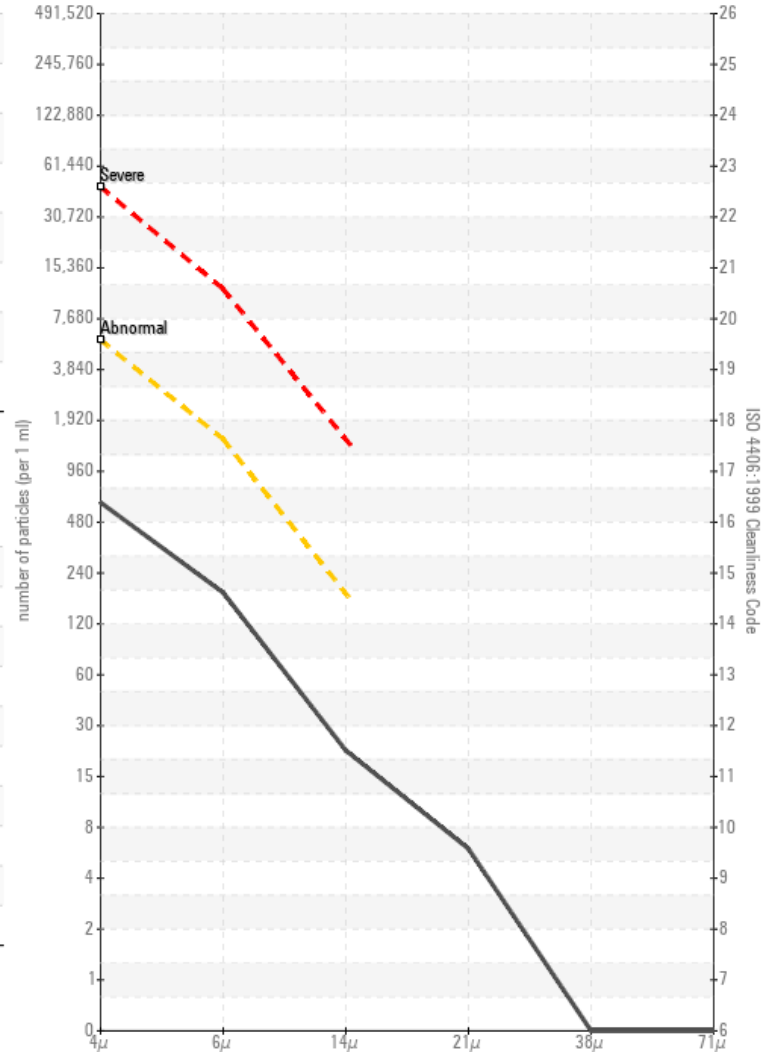
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

