



CONSTRUCTION EQUIPMENT

B51102 PEPPIN LUMBER PONSSE A010683 - HYDRAULIC SYSTEM



Sample No: VCP405102
Oil Type: PETRO CANADA HYDREX AW 46
Job No: B51102 PEPPIN LUMBER



SAMPLE INFORMATION

Sample Number	VCP405102	VCP320316	VCP277467	---
Sample Date	28 Nov 2023	20 Aug 2021	29 Aug 2020	---
Machine Hours	6448	2137	300	---
Oil Hours	0	0	0	---
Oil Changed	Changed	N/A	Not Changd	---
Sample Status	NORMAL	ABNORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	43.0	32.5	32.8	---
Acid Number (AN)	mg KOH/g	0.44	0.437	0.488	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		838	---	10160	---
Particles >6µm		85	---	2419	---
Particles >14µm		8	---	170	---
ISO 4406:1999 (c)		17/14/10	---	21/18/15	---
Silicon	ppm	<1	1	2	---
Sodium	ppm	0	<1	<1	---
Potassium	ppm	0	<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	6	14	1	---
Copper	ppm	0	5	1	---
Lead	ppm	0	2	<1	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	0	0	0	---
Chromium	ppm	0	<1	0	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	<1	<1	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	77	55	56	---
Magnesium	ppm	<1	<1	16	---
Zinc	ppm	750	562	353	---
Phosphorus	ppm	573	414	259	---
Barium	ppm	0	0	0	---
Boron	ppm	0	<1	0	---

Depot: VOLVO0007
Unique No: 10768147
Signed: Wes Davis
Report Date: 05 Dec 2023

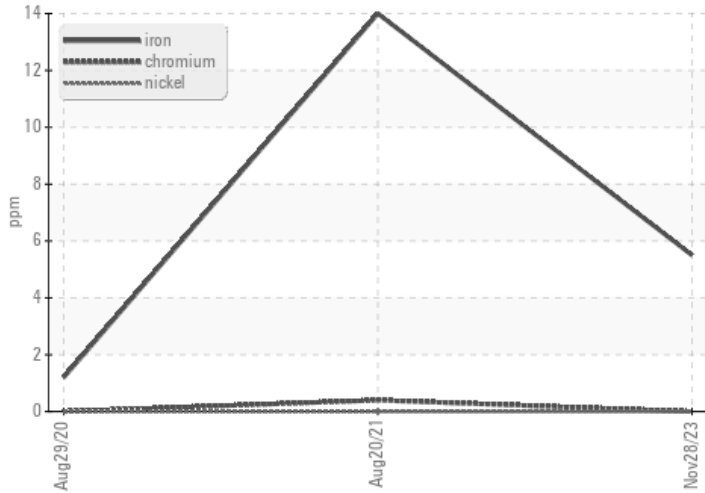


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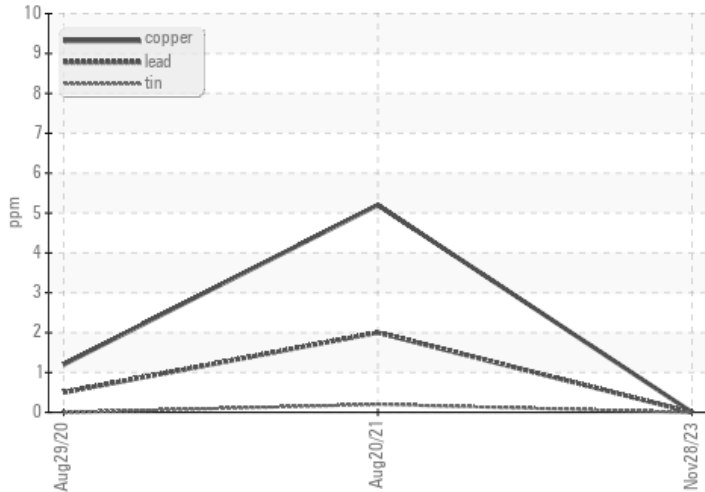


GRAPHS

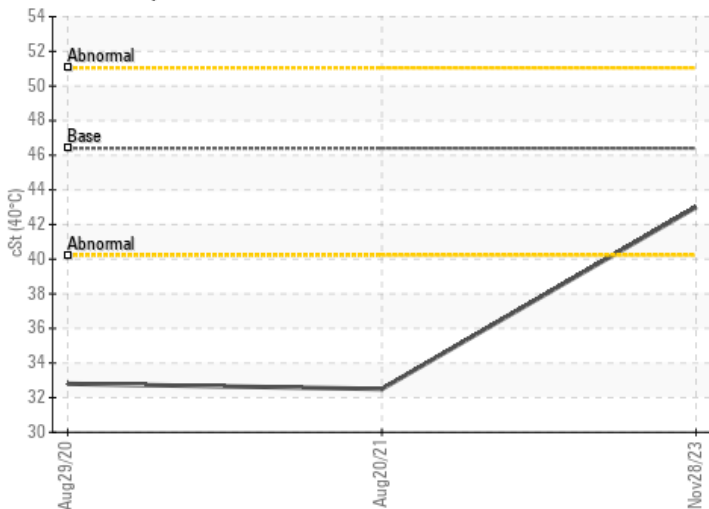
Ferrous Alloys



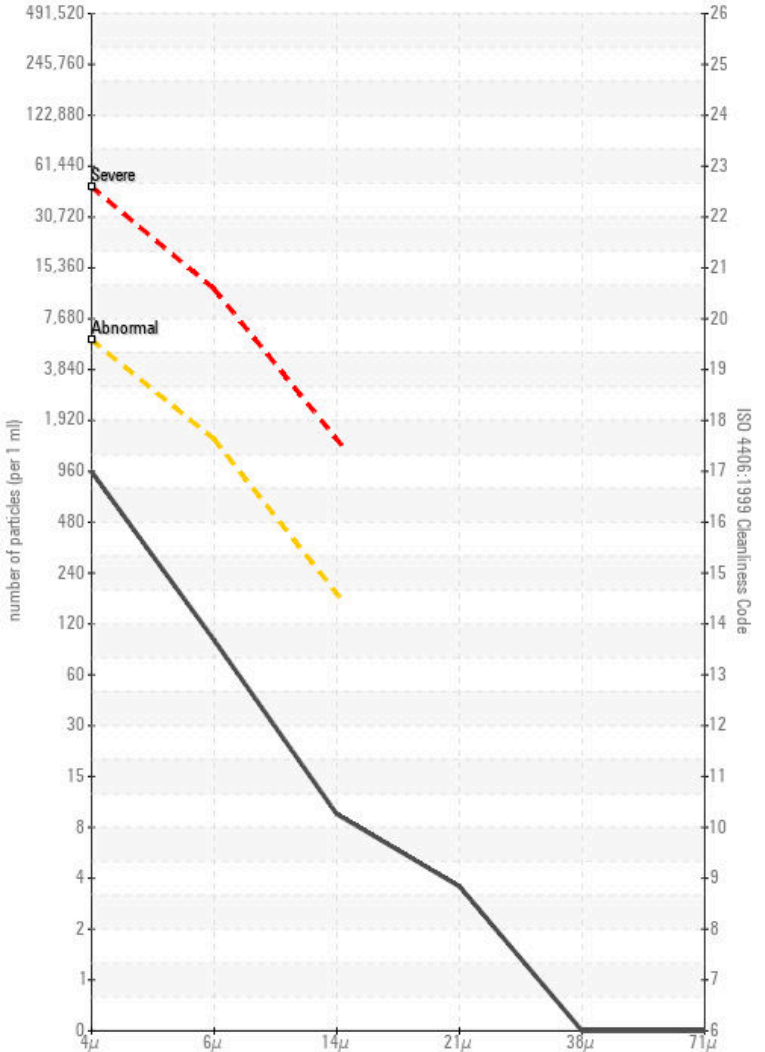
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

