



CONSTRUCTION EQUIPMENT

A67647 DAY LOGGING PONSSE A081545P - HYDRAULIC SYSTEM



Sample No: VCP307669
Oil Type: PETRO CANADA HYDREX AW 46
Job No: A67647 DAY LOGGING



SAMPLE INFORMATION

Sample Number	VCP307669	VCP339477	---	---
Sample Date	17 Nov 2023	27 Jan 2023	---	---
Machine Hours	1518	192	---	---
Oil Hours	0	192	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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 US 04098
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OIL CONDITION

Visc @ 40°C	cSt	40.0	47.2	---	---
Acid Number (AN)	mg KOH/g	0.41	0.75	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		2501	11305	---	---
Particles >6µm		400	3666	---	---
Particles >14µm		56	250	---	---
ISO 4406:1999 (c)		19/16/13	21/19/15	---	---
Silicon	ppm	2	6	---	---
Sodium	ppm	3	<1	---	---
Potassium	ppm	1	0	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

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

ADDITIVES

Calcium	ppm	40	189	---	---
Magnesium	ppm	2	<1	---	---
Zinc	ppm	210	1580	---	---
Phosphorus	ppm	208	1132	---	---
Barium	ppm	3	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0006
Unique No: 10779121
Signed: Don Baldrige
Report Date: 11 Dec 2023

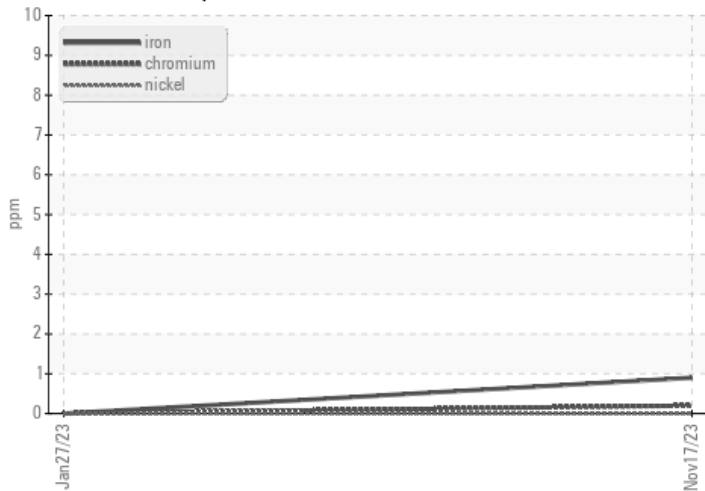


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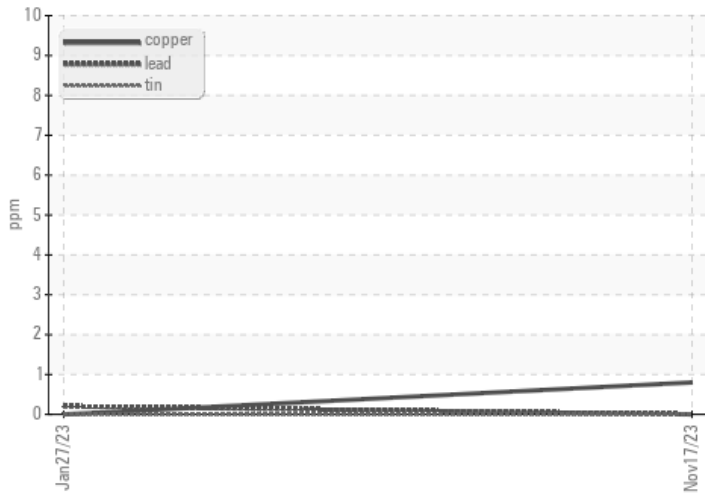


GRAPHS

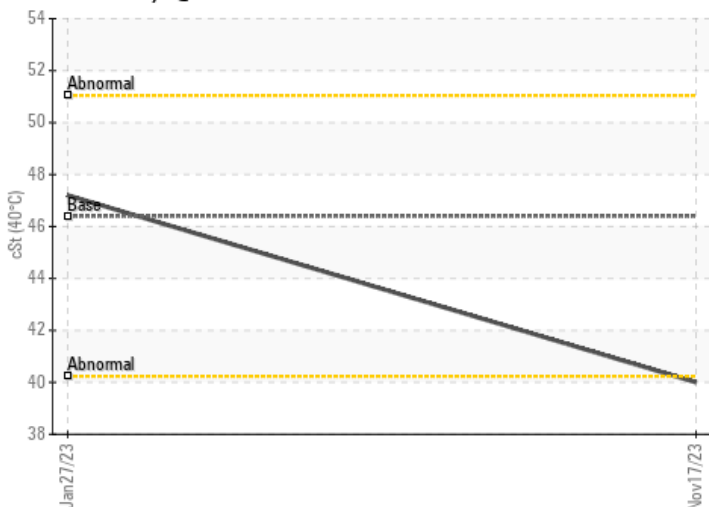
Ferrous Alloys



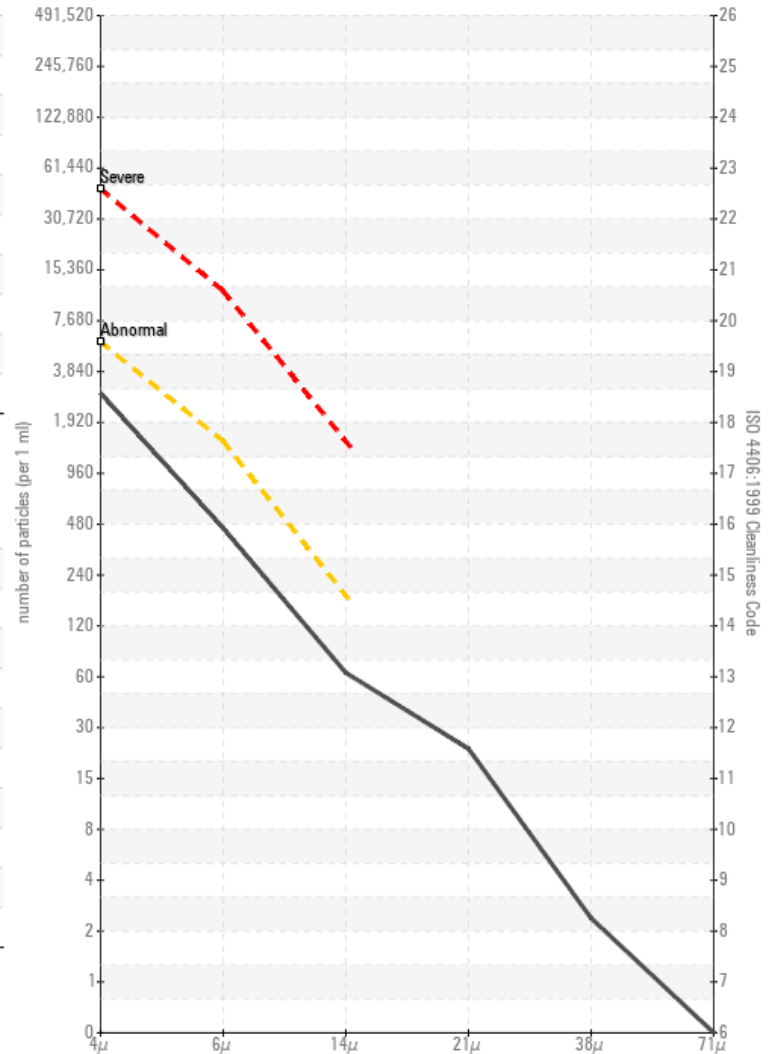
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

