



CONSTRUCTION EQUIPMENT

RSO-038391 HITACHI 060320 - HYDRAULIC SYSTEM



Sample No: VCP443983
Oil Type: {unknown}
Job No: RSO-038391



SAMPLE INFORMATION

Sample Number	VCP443983	VCP447618	---	---
Sample Date	20 Jun 2024	10 May 2024	---	---
Machine Hours	530	270	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ATTENTION	NORMAL	---	---

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	44.3	44.6	---	---
Acid Number (AN)	mg KOH/g	0.09	0.132	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		1987	1647	---	---
Particles >6µm		1123	605	---	---
Particles >14µm		186	74	---	---
ISO 4406:1999 (c)		18/17/15	18/16/13	---	---
Silicon	ppm	1	<1	---	---
Sodium	ppm	1	<1	---	---
Potassium	ppm	<1	0	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present 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	0	<1	---	---
Copper	ppm	4	3	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	0	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	<1	3	---	---
Magnesium	ppm	16	27	---	---
Zinc	ppm	29	28	---	---
Phosphorus	ppm	385	380	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: SAIBIR
Unique No: 11099331
Signed: Don Baldrige
Report Date: 27 Jun 2024

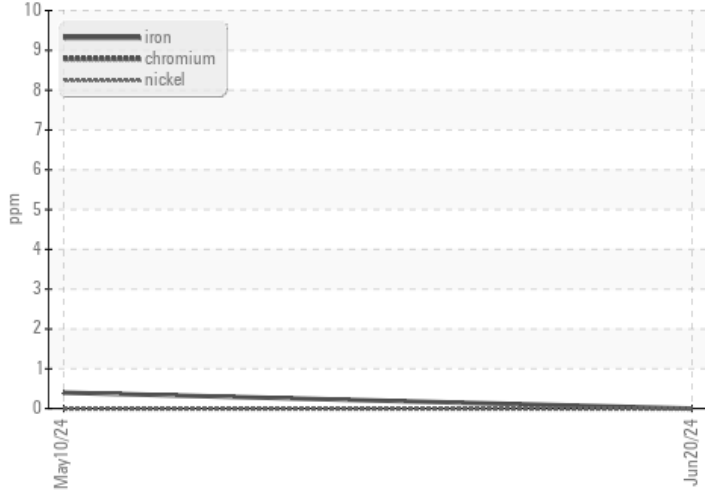


CONSTRUCTION EQUIPMENT

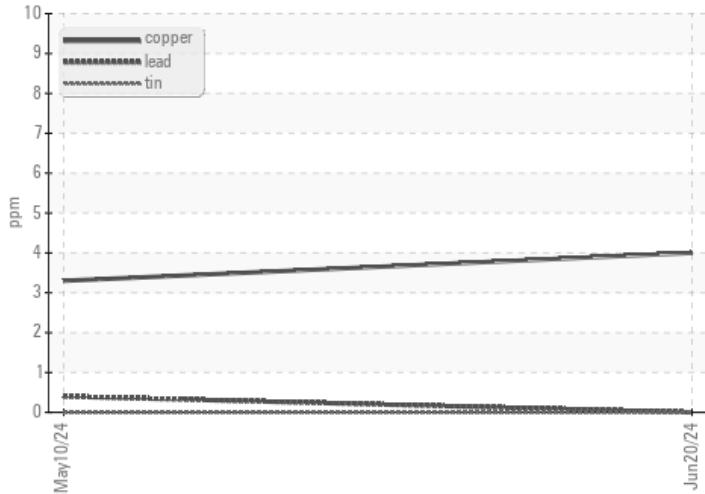


VOLVO GRAPHS

Ferrous Alloys



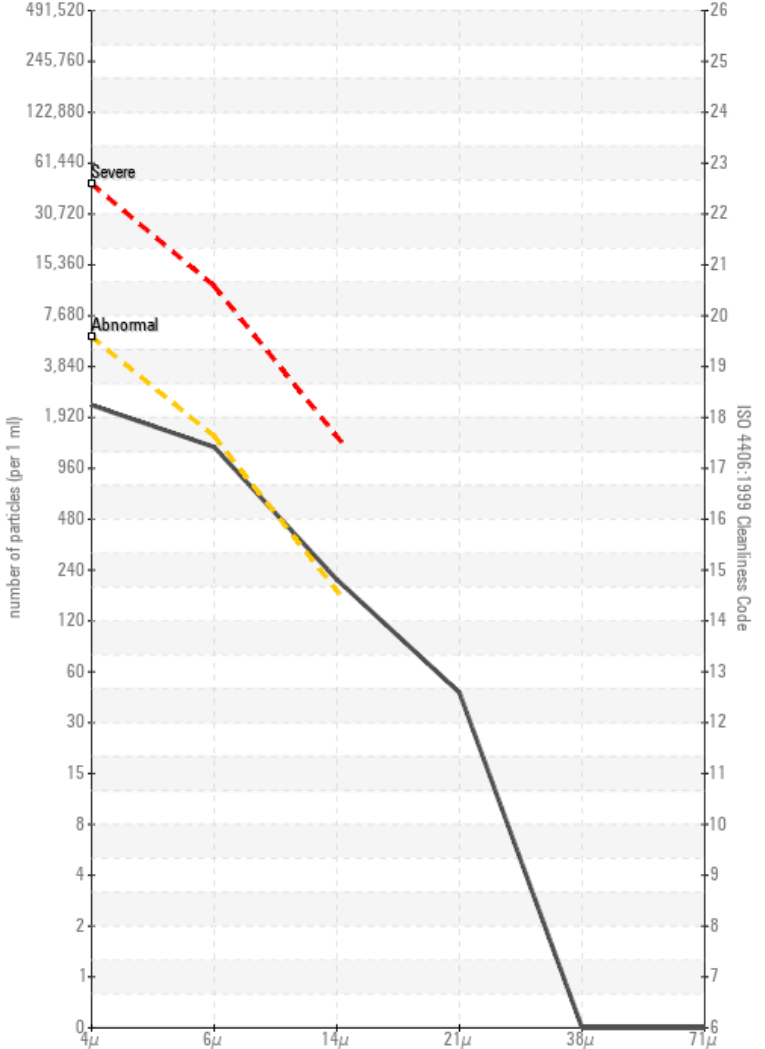
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

