



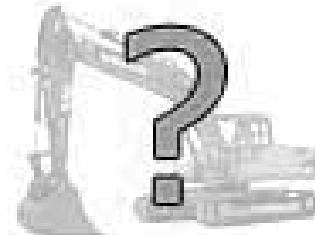
CONSTRUCTION EQUIPMENT

ASCENDUM MACHINERY/250 HOUR CSA 19127

DYNAPAC CC142C 978 (S/N 60212067) HYDRAULIC SY



Sample No: VCP417491
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 19127



SAMPLE INFORMATION

Sample Number	VCP417491	VCP0000990	---	---
Sample Date	10 Jul 2023	24 Mar 2022	---	---
Machine Hours	2905	2882	---	---
Oil Hours	0	2882	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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 US 27216
 Contact: KAREN HILLIARD
 khilliard@trianglegradingpaving.com
 T: (336)584-1745
 F: (336)584-0145

OIL CONDITION

Visc @ 40°C	cSt	■ 38.6	■ 38.7	---	---
Acid Number (AN)	mg KOH/g	■ 1.11	■ 1.10	---	---

CONTAMINATION

Particles >4µm		▲ 10286	▲ 20082	---	---
Particles >6µm		■ 911	■ 1178	---	---
Particles >14µm		■ 41	■ 34	---	---
ISO 4406:1999 (c)		21/17/13	22/17/12	---	---
Silicon	ppm	■ 5	■ 4	---	---
Sodium	ppm	■ 0	■ <1	---	---
Potassium	ppm	■ 1	■ 1	---	---

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 high amount of silt (particulates < 14 microns in size) 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	■ 9	■ 9	---	---
Copper	ppm	■ 5	■ 5	---	---
Lead	ppm	■ 3	■ 3	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	■ 2	■ <1	---	---
Chromium	ppm	■ <1	■ <1	---	---
Molybdenum	ppm	■ 43	▲ 42	---	---
Nickel	ppm	■ <1	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	■ <1	■ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	■ 1415	▲ 1440	---	---
Magnesium	ppm	■ 40	▲ 43	---	---
Zinc	ppm	■ 862	▲ 886	---	---
Phosphorus	ppm	■ 715	▲ 747	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 6	■ 8	---	---

Depot: TRIBUR
Unique No: 10587177
Signed: Don Baldrige
Report Date: 05 Aug 2023

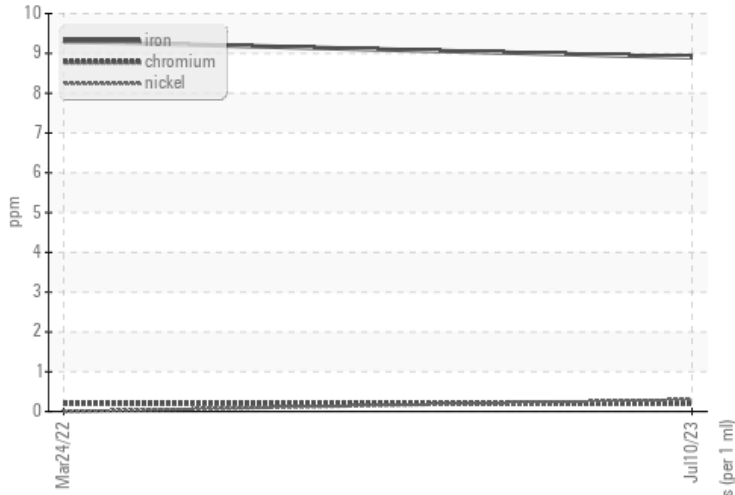


CONSTRUCTION EQUIPMENT

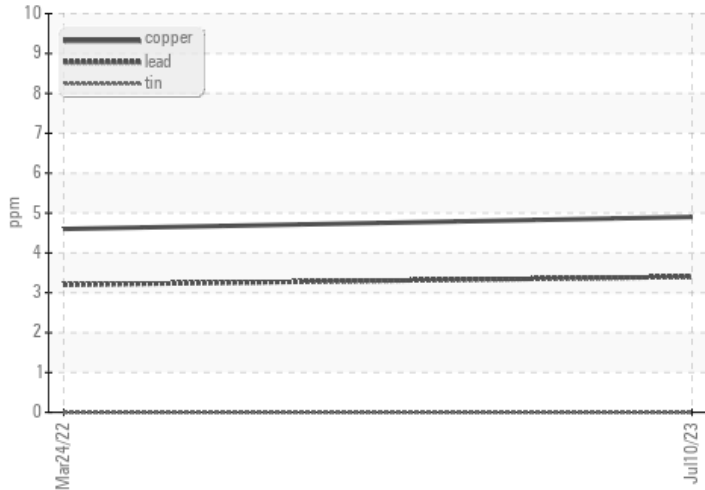


GRAPHS

Ferrous Alloys



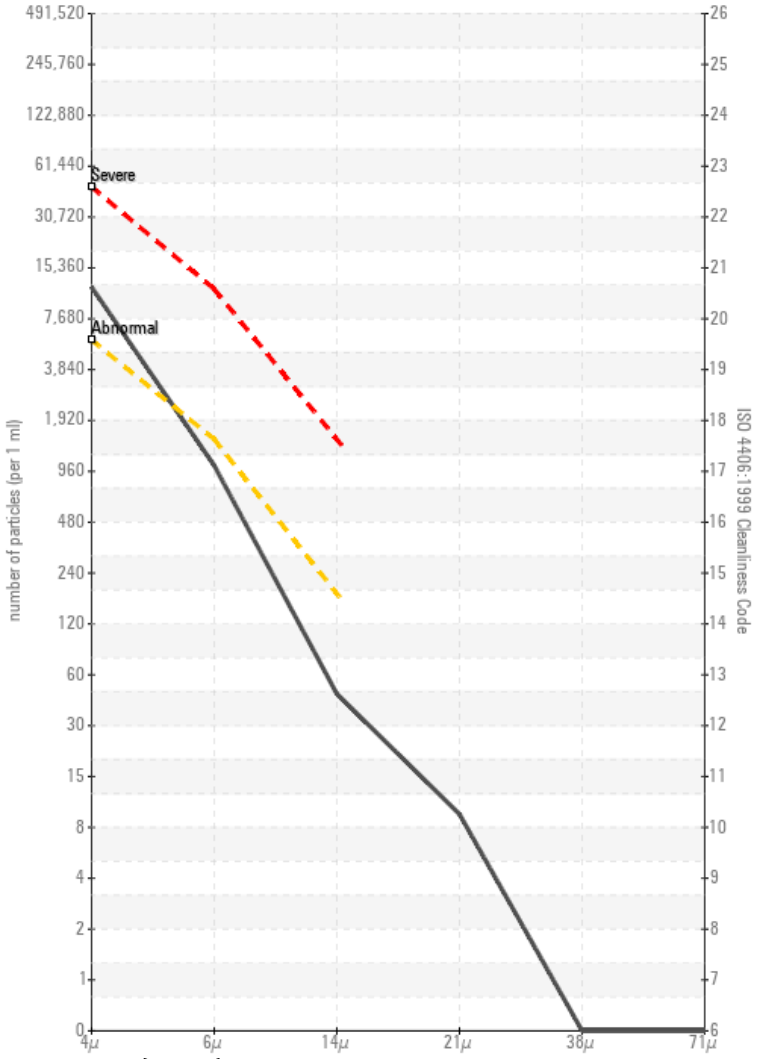
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

