



CONSTRUCTION EQUIPMENT

SWA478970-10 SACYR VOLVO A40G 353255 - DIESEL ENGINE



Sample No: VCP442803
Oil Type: {unknown}
Job No: SWA478970-10 SACYR



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
8418 PALM RIVER ROAD
TAMPA, FL
US 33619
Contact: KENNY HANEY
khaney@flaglerce.com
T: (813)630-0077
F: (813)630-2233



SAMPLE INFORMATION

Sample Number	VCP442803	---	---	---
Sample Date	07 Feb 2024	---	---	---
Machine Hours	1763	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 10.7	---	---	---
Base Number (BN)	mg KOH/g	█ 3.9	---	---	---
Oxidation (PA)	%	69	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	88	---	---	---
Sulfation (PA)	%	69	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.6	---	---	---
Silicon	ppm	▲ 26	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 27	---	---	---
Copper	ppm	█ 164	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 4	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 81	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 2088	---	---	---
Magnesium	ppm	█ 43	---	---	---
Zinc	ppm	█ 1170	---	---	---
Phosphorus	ppm	█ 985	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 9	---	---	---

Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. Metal levels are typical for a new component breaking in. Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0093
Unique No: 10875356
Signed: Doug Bogart
Report Date: 15 Feb 2024



CONSTRUCTION EQUIPMENT

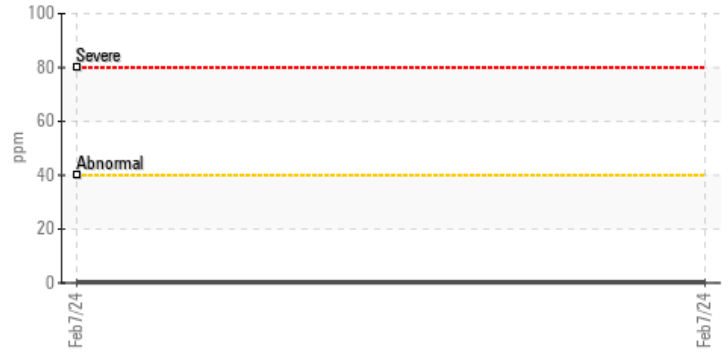


GRAPHS

Iron (ppm)



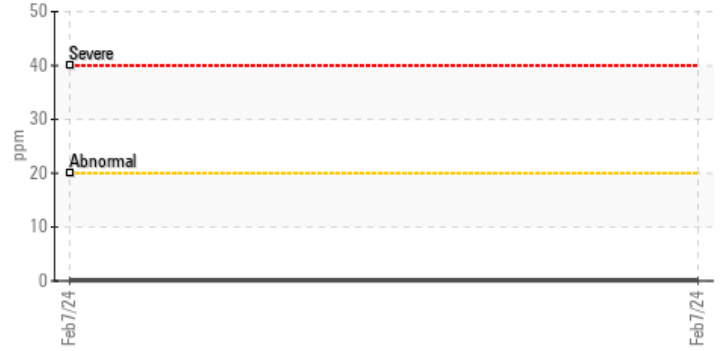
Lead (ppm)



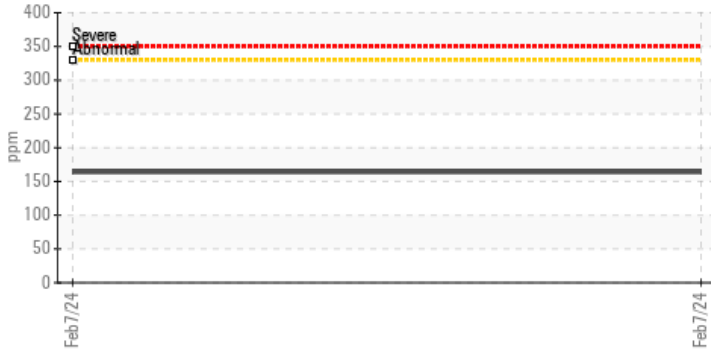
Aluminum (ppm)



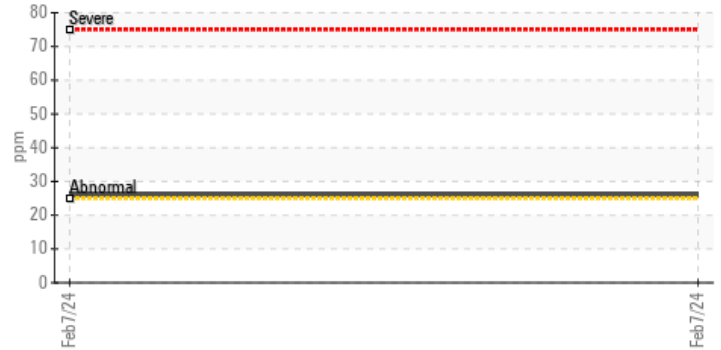
Chromium (ppm)



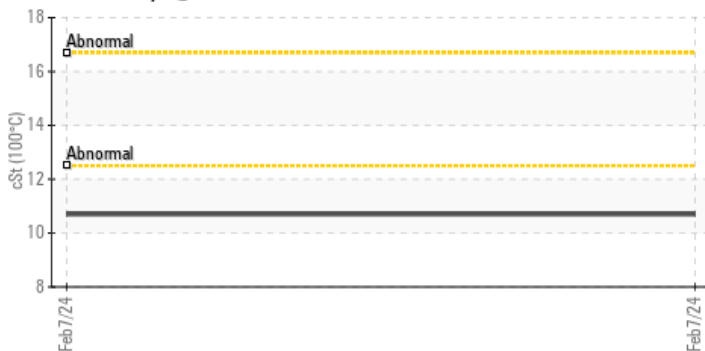
Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 100°C



Base Number

