



CONSTRUCTION EQUIPMENT

527030 RENTAL VOLVO A25G 752592 - WET DISC BRAKE



Sample No: VCP444189
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: 527030 RENTAL



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	VCP444189	VCP432056	---	---
Sample Date	04 Apr 2024	27 Sep 2023	---	---
Machine Hours	1758	1045	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	44.9	44.3	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 13	█ 17	---	---
Sodium	ppm	█ 3	█ 2	---	---
Potassium	ppm	█ <1	█ 1	---	---



WEAR METALS

Iron	ppm	█ 8	█ 8	---	---
Copper	ppm	▲ 132	▲ 97	---	---
Lead	ppm	█ 1	█ <1	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ <1	█ 5	---	---
Chromium	ppm	█ 0	█ 0	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	█ 0	█ <1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 3595	█ 3874	---	---
Magnesium	ppm	█ 11	█ 15	---	---
Zinc	ppm	█ 1426	█ 1624	---	---
Phosphorus	ppm	█ 1151	█ 1334	---	---
Barium	ppm	█ <1	█ 0	---	---
Boron	ppm	█ 111	█ 128	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0093
Unique No: 10969517
Signed: Don Baldrige
Report Date: 13 Apr 2024



CONSTRUCTION EQUIPMENT

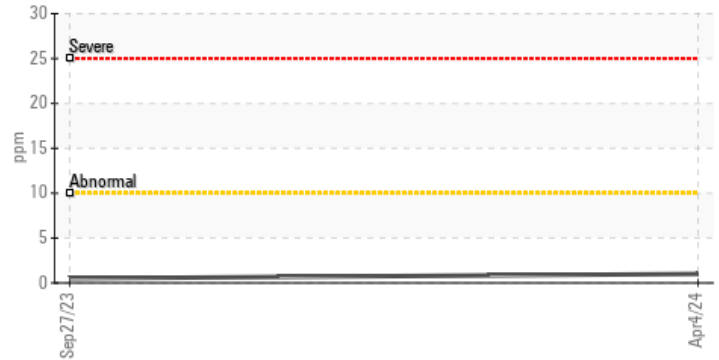


GRAPHS

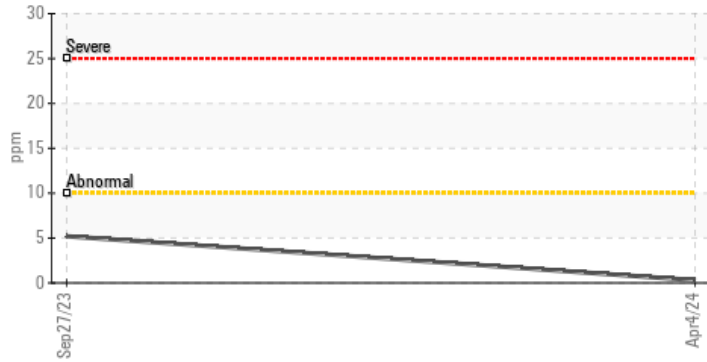
Iron (ppm)



Lead (ppm)



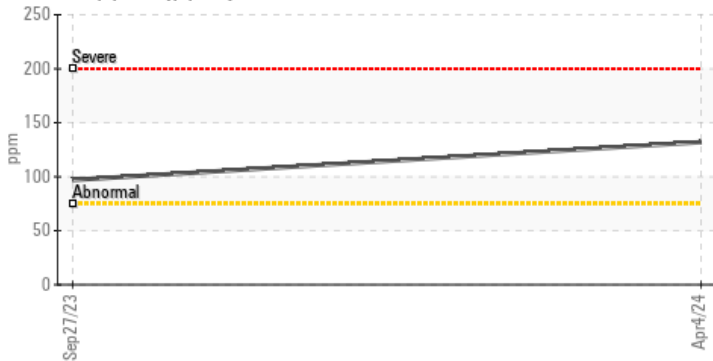
Aluminum (ppm)



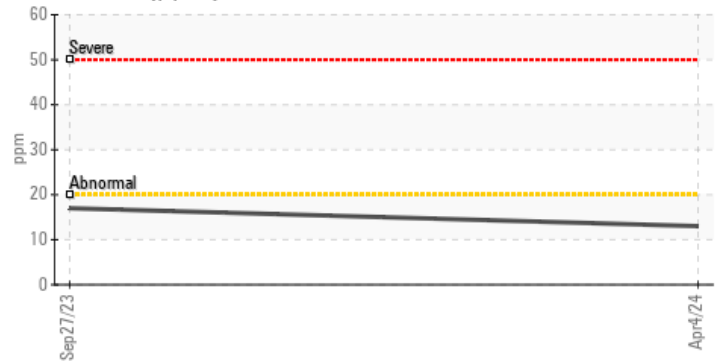
Chromium (ppm)



▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

