



CONSTRUCTION EQUIPMENT

730383 RENTALS VOLVO A25G 752974 - DIESEL ENGINE



Sample No: VCP454861
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 730383 RENTALS



SAMPLE INFORMATION

Sample Number	VCP454861	VCP403068	---	---
Sample Date	06 Jul 2024	14 Feb 2024	---	---
Machine Hours	1232	528	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

ALTA EQUIPMENT COMPANY

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OIL CONDITION

Visc @ 100°C	cSt	▲ 7.8	10.9	---	---
Base Number (BN)	mg KOH/g	■ 9.9	■ 6.6	---	---
Oxidation (PA)	%	46	59	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	■ 0	■ 0.2	---	---
Nitration (PA)	%	23	80	---	---
Sulfation (PA)	%	56	52	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	▲ 2.4	■ 0.6	---	---
Silicon	ppm	■ 12	■ 26	---	---
Sodium	ppm	■ 5	■ 3	---	---
Potassium	ppm	■ 3	■ 3	---	---



WEAR METALS

Iron	ppm	■ 6	■ 18	---	---
Copper	ppm	■ 114	▲ 505	---	---
Lead	ppm	■ 0	■ 5	---	---
Tin	ppm	■ 0	■ 2	---	---
Aluminum	ppm	■ 1	■ 2	---	---
Chromium	ppm	■ <1	■ <1	---	---
Molybdenum	ppm	■ <1	■ 77	---	---
Nickel	ppm	■ 0	■ <1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	■ 0	■ <1	---	---
Manganese	ppm	■ 2	4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 3680	■ 1869	---	---
Magnesium	ppm	■ 14	■ 162	---	---
Zinc	ppm	■ 1501	■ 1170	---	---
Phosphorus	ppm	■ 1212	■ 1000	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 117	■ 27	---	---

Depot: VOLVO0095
Unique No: 11127592
Signed: Sean Felton
Report Date: 18 Jul 2024

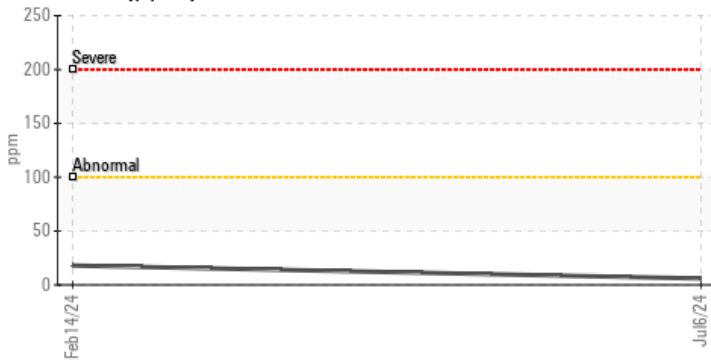


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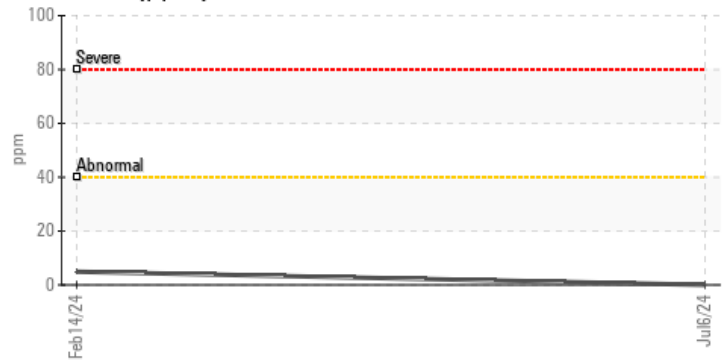


GRAPHS

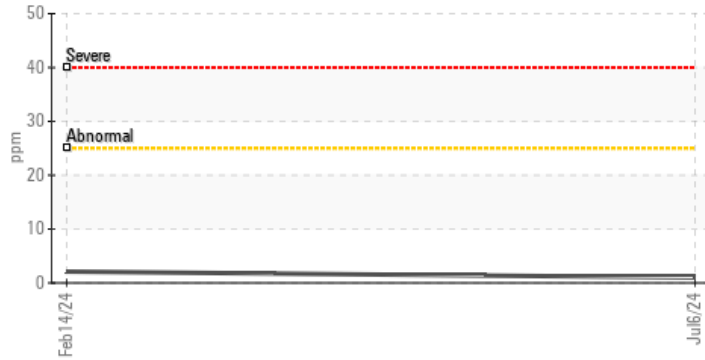
Iron (ppm)



Lead (ppm)



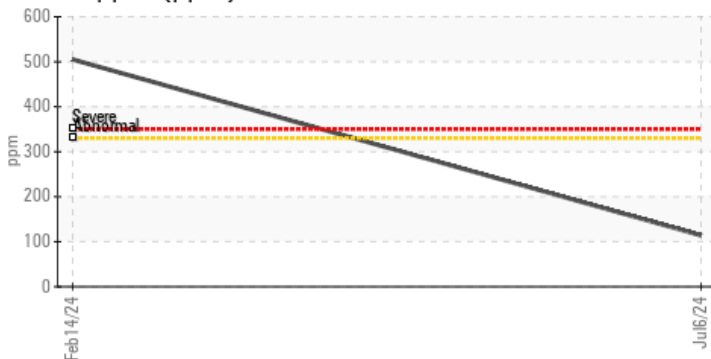
Aluminum (ppm)



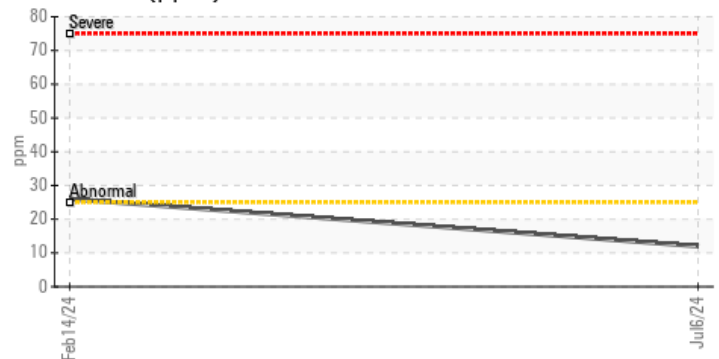
Chromium (ppm)



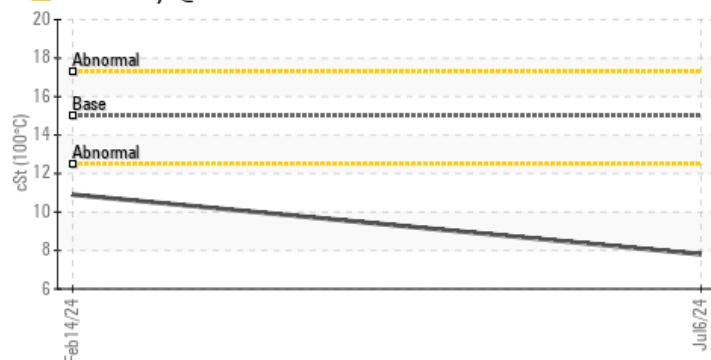
Copper (ppm)



Silicon (ppm)



▲ Viscosity @ 100°C



Base Number

