



CONSTRUCTION EQUIPMENT

SPM703610 RENTALS VOLVO A40G 752284 - DIESEL ENGINE



Sample No: VCP438878
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SPM703610 RENTALS



SAMPLE INFORMATION

Sample Number	VCP438878	---	---	---
Sample Date	07 May 2024	---	---	---
Machine Hours	664	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

ALTA EQUIPMENT COMPANY

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 DAVIE, FL
 US 33314

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OIL CONDITION

Visc @ 100°C	cSt	● 11.0	---	---	---
Base Number (BN)	mg KOH/g	■ 5.1	---	---	---
Oxidation (PA)	%	■ 59	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Water	%	■ NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 76	---	---	---
Sulfation (PA)	%	■ 55	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	■ 0.7	---	---	---
Silicon	ppm	■ 27	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 2	---	---	---



WEAR METALS

Iron	ppm	■ 16	---	---	---
Copper	ppm	■ 204	---	---	---
Lead	ppm	■ 4	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 83	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	■ 0	---	---	---



ADDITIVES

Calcium	ppm	■ 2312	---	---	---
Magnesium	ppm	■ 39	---	---	---
Zinc	ppm	■ 1161	---	---	---
Phosphorus	ppm	■ 984	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 28	---	---	---

Depot: VOLVO0095
Unique No: 11021130
Signed: Don Baldrige
Report Date: 15 May 2024



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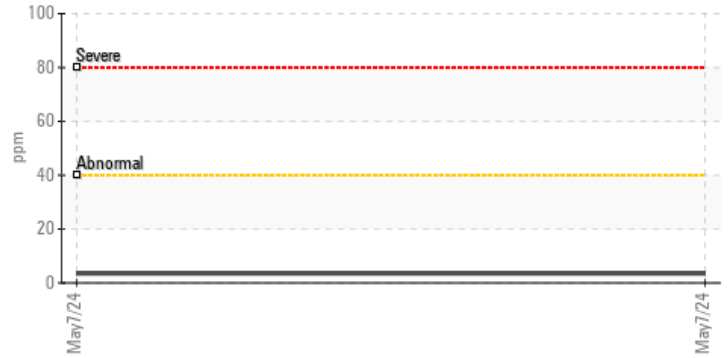


GRAPHS

Iron (ppm)



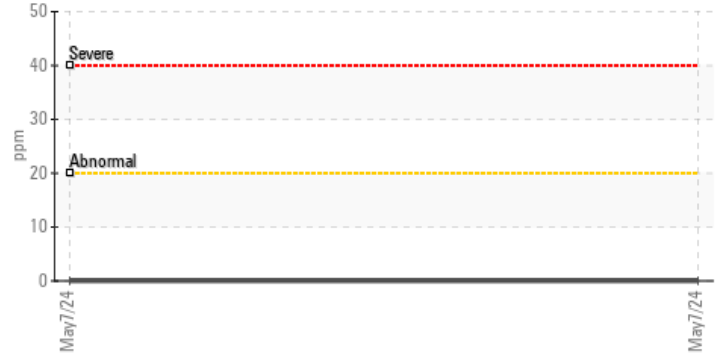
Lead (ppm)



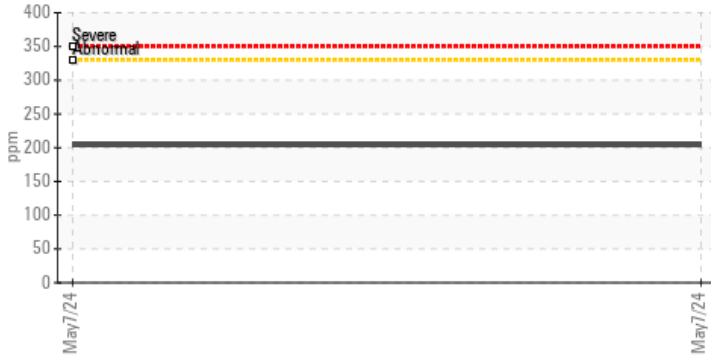
Aluminum (ppm)



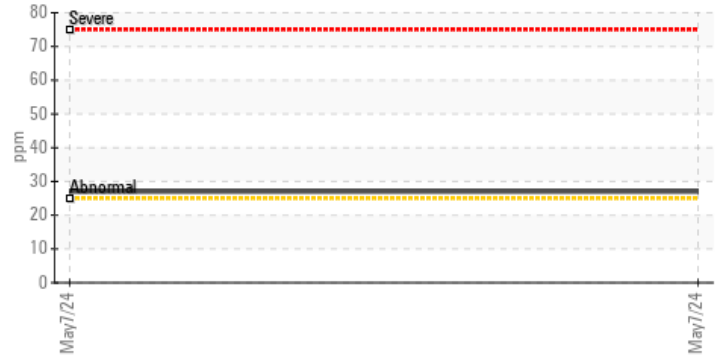
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



● Viscosity @ 100°C



Base Number

