



CONSTRUCTION EQUIPMENT

10133 MULFORD VOLVO A30G 753478 - DIESEL ENGINE



Sample No: VCP429484
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 10133 MULFORD



SAMPLE INFORMATION

Sample Number	VCP429484	---	---	---
Sample Date	16 Jan 2024	---	---	---
Machine Hours	706	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.2	---	---	---
Base Number (BN)	mg KOH/g	■ 5.1	---	---	---
Oxidation (PA)	%	65	---	---	---

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. Metal levels are typical for a new component breaking in. Tests indicate that there is no fuel present in the oil. 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 %	%	■ 0.3	---	---	---
Nitration (PA)	%	85	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.3	---	---	---
Silicon	ppm	■ 35	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 2	---	---	---



WEAR METALS

Iron	ppm	■ 42	---	---	---
Copper	ppm	■ 286	---	---	---
Lead	ppm	■ 3	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 85	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	■ 5	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 2141	---	---	---
Magnesium	ppm	82	---	---	---
Zinc	ppm	■ 1219	---	---	---
Phosphorus	ppm	■ 1016	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 30	---	---	---

Depot: VOLVO0150
Unique No: 10845560
Signed: Sean Felton
Report Date: 25 Jan 2024

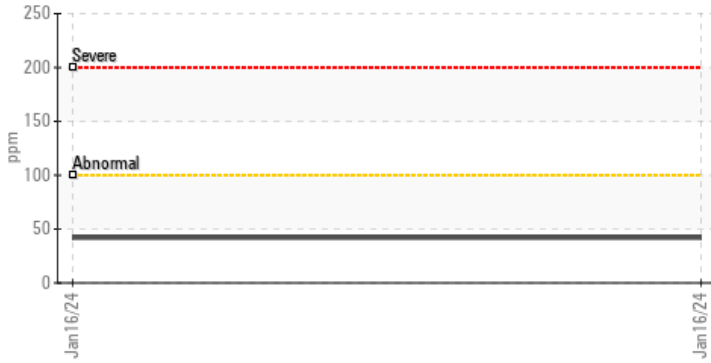


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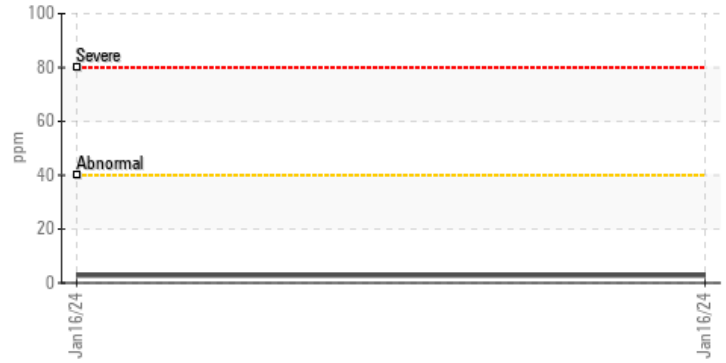


GRAPHS

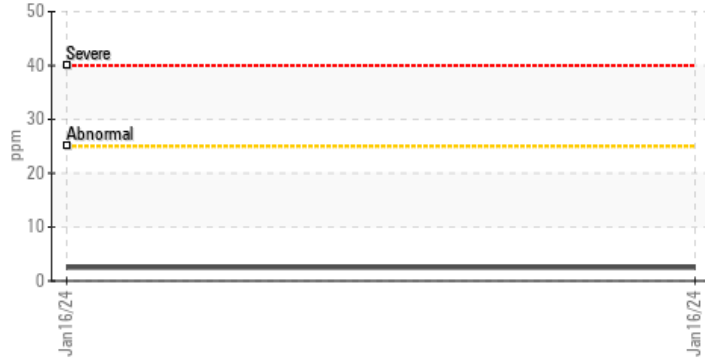
Iron (ppm)



Lead (ppm)



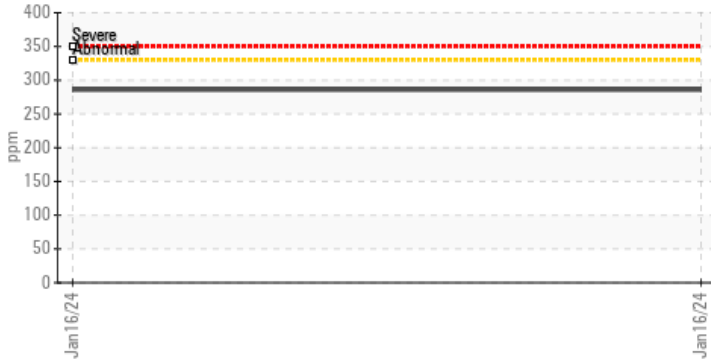
Aluminum (ppm)



Chromium (ppm)



Copper (ppm)



Silicon (ppm)



▲ Viscosity @ 100°C



Base Number

