



CONSTRUCTION EQUIPMENT

SPM646326-10 KPI FT4250 418092 - DIESEL ENGINE



Sample No: VCP436706
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: SPM646326-10



SAMPLE INFORMATION

Sample Number	VCP436706	---	---	---
Sample Date	13 Jan 2024	---	---	---
Machine Hours	6402	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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T:
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Base Number (BN)	mg KOH/g	█ 8.1	---	---	---
Oxidation (PA)	%	88	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.
All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.8	---	---	---
Nitration (PA)	%	102	---	---	---
Sulfation (PA)	%	65	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 42	---	---	---
Copper	ppm	█ 7	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 54	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1715	---	---	---
Magnesium	ppm	█ 514	---	---	---
Zinc	ppm	█ 1240	---	---	---
Phosphorus	ppm	█ 1063	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 9	---	---	---

Depot: VOLVO0090
Unique No: 10857572
Signed: Wes Davis
Report Date: 01 Feb 2024



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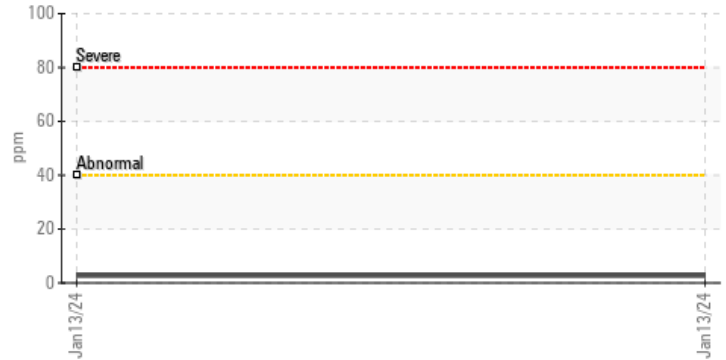


GRAPHS

Iron (ppm)



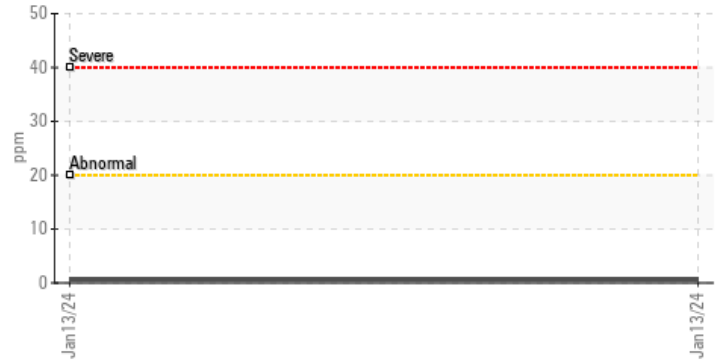
Lead (ppm)



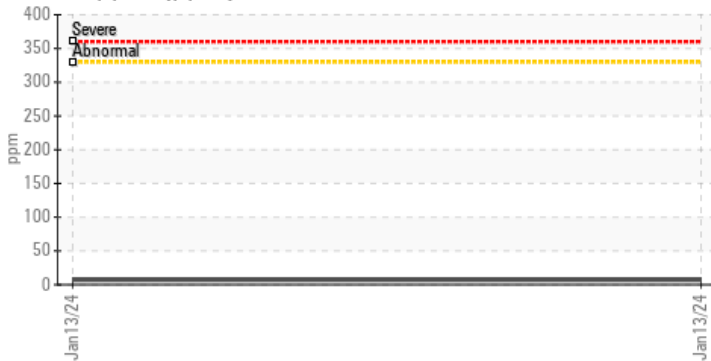
Aluminum (ppm)



Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

