



CONSTRUCTION EQUIPMENT

SPM366789 FH PASCHEN VOLVO L90H 625532 - DIESEL ENGINE



Sample No: VCP334831
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM366789 FH PASCHEN



SAMPLE INFORMATION

Sample Number	VCP334831	---	---	---
Sample Date	08 Feb 2022	---	---	---
Machine Hours	2699	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

FH PASCHEN

5515 N EAST RIVER RD
 CHICAGO, IL
 US 60631
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 mpatla@fhpaschen.com
 T: (224)297-9398
 F:



OIL CONDITION

Visc @ 100°C	cSt	█ 14.3	---	---	---
Base Number (BN)	mg KOH/g	█ 9.7	---	---	---
Oxidation (PA)	%	59	---	---	---

Diagnosis

Resample at the next service interval to monitor. 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

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	72	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 5	---	---	---



WEAR METALS

Iron	ppm	█ 10	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 12	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1504	---	---	---
Magnesium	ppm	█ 699	---	---	---
Zinc	ppm	█ 1268	---	---	---
Phosphorus	ppm	█ 1119	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 92	---	---	---

Depot: FHPCHIL
Unique No: 9854227
Signed: Wes Davis
Report Date: 17 Feb 2022

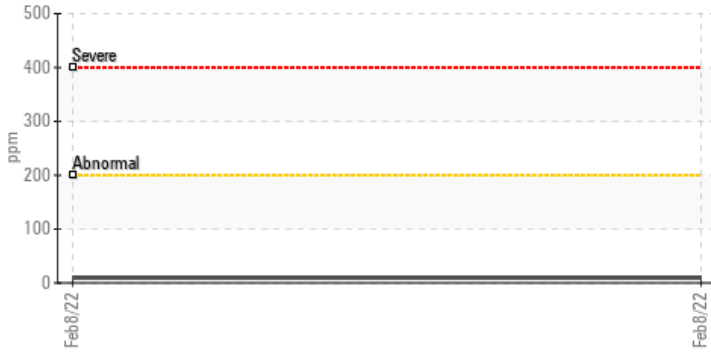


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GRAPHS

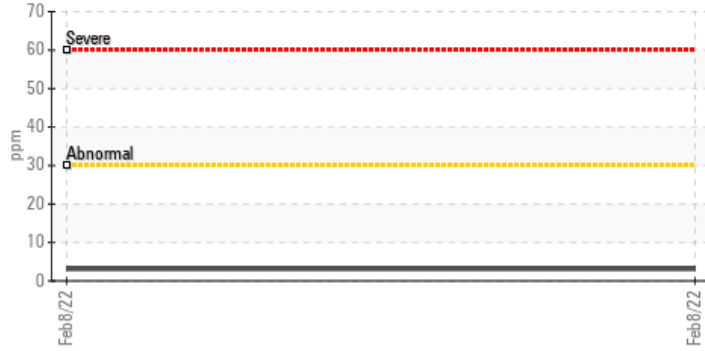
Iron (ppm)



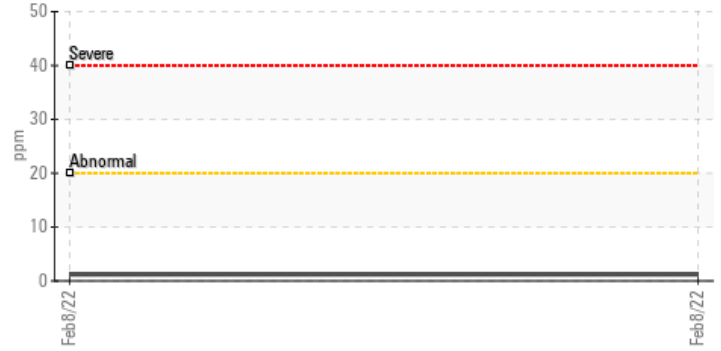
Lead (ppm)



Aluminum (ppm)



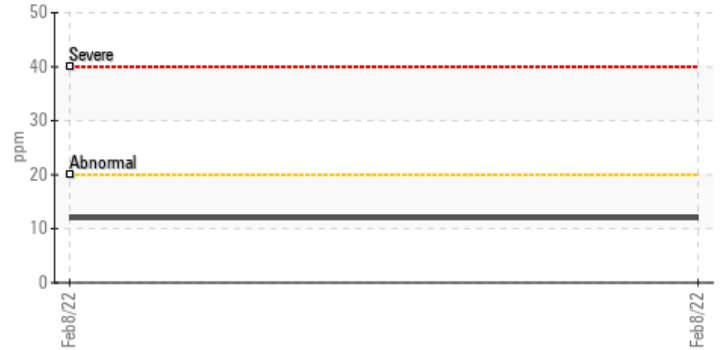
Chromium (ppm)



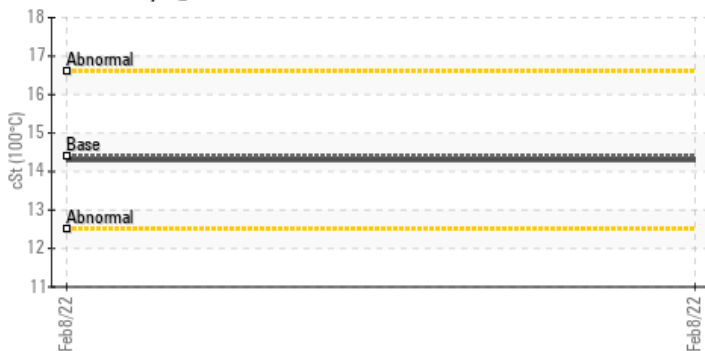
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

