



CONSTRUCTION EQUIPMENT

M0700023-1 FORD F-650 3FRNF6FC4BV392812 - DIESEL ENGINE



Sample No: VCP414596
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: M0700023-1



SAMPLE INFORMATION

Sample Number	VCP414596	---	---	---
Sample Date	01 Sep 2023	---	---	---
Machine Hours	213779	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

McClung-Logan Virginia LLC- RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
 Contact: KYLE RATLIFFE
 KRATLIFFE@MCCLUNG-LOGAN.COM
 T:
 F: (804)266-1611



OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Base Number (BN)	mg KOH/g	█ 6.6	---	---	---
Oxidation (PA)	%	74	---	---	---

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)	%	86	---	---	---
Sulfation (PA)	%	64	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 5	---	---	---



WEAR METALS

Iron	ppm	█ 38	---	---	---
Copper	ppm	█ 66	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 26	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1432	---	---	---
Magnesium	ppm	█ 764	---	---	---
Zinc	ppm	█ 1169	---	---	---
Phosphorus	ppm	█ 940	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 32	---	---	---

Depot: VOLVO8882
Unique No: 10642235
Signed: Wes Davis
Report Date: 11 Sep 2023

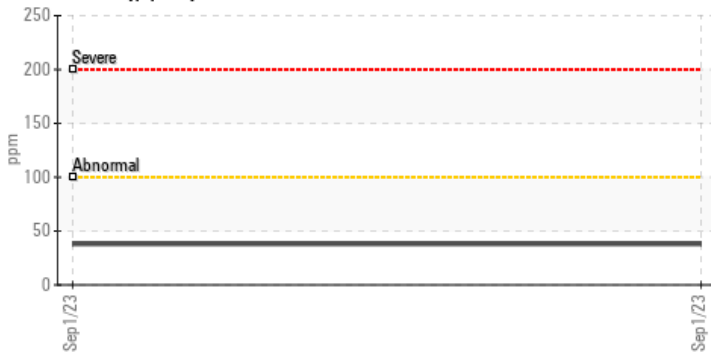


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GRAPHS

Iron (ppm)



Lead (ppm)



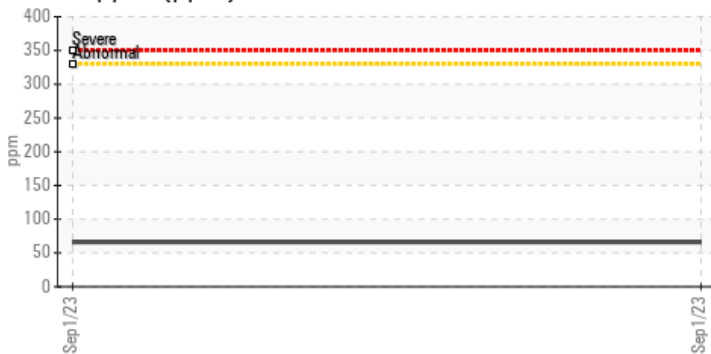
Aluminum (ppm)



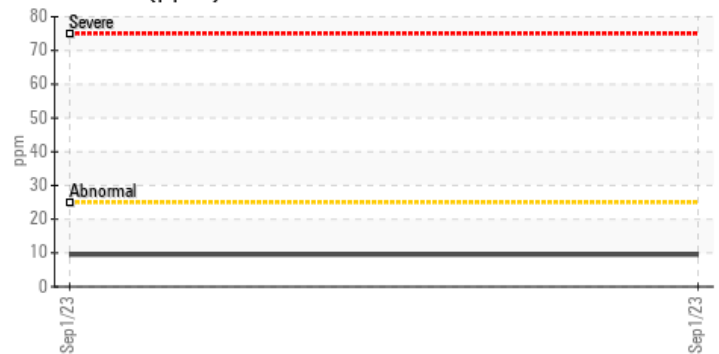
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

