



CONSTRUCTION EQUIPMENT

2799-2 MECALAC 6MCR 0152243 - DIESEL ENGINE



Sample No: VCP445936
Oil Type: DIESEL ENGINE OIL 10W40
Job No: 2799-2



SAMPLE INFORMATION

Sample Number	VCP445936	---	---	---
Sample Date	19 Feb 2024	---	---	---
Machine Hours	42	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	NORMAL	---	---	---

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 US 19933
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 T: (302)337-3400
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	---	---	---
Base Number (BN)	mg KOH/g	█ 5.7	---	---	---
Oxidation (PA)	%	69	---	---	---

Diagnosis

Resample at the next service interval to monitor. (check for damage). All component wear rates are normal. 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)	%	72	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 24	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 26	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 9	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 51	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1676	---	---	---
Magnesium	ppm	█ 511	---	---	---
Zinc	ppm	█ 1218	---	---	---
Phosphorus	ppm	█ 1062	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 123	---	---	---

Depot: VOLVO1023
Unique No: 10897101
Signed: Don Baldrige
Report Date: 26 Feb 2024



CONSTRUCTION EQUIPMENT



GRAPHS

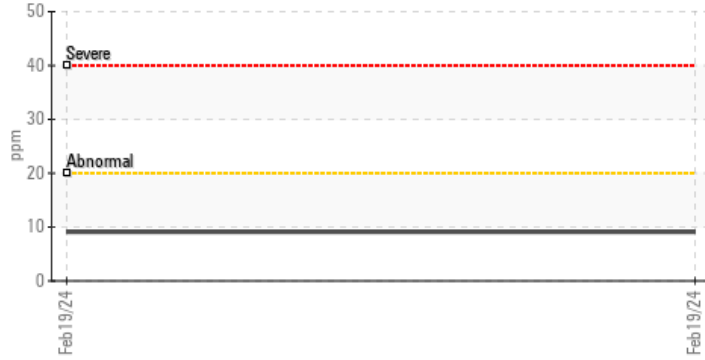
Iron (ppm)



Lead (ppm)



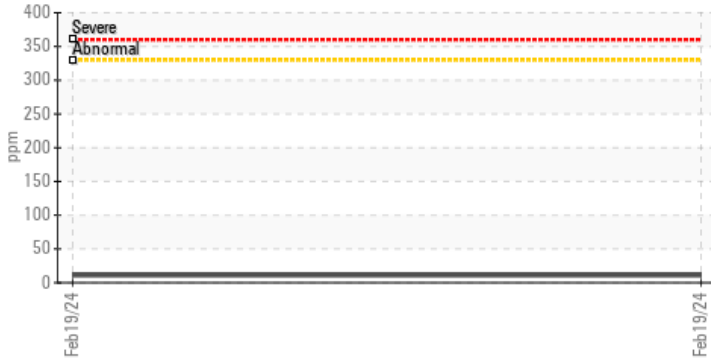
Aluminum (ppm)



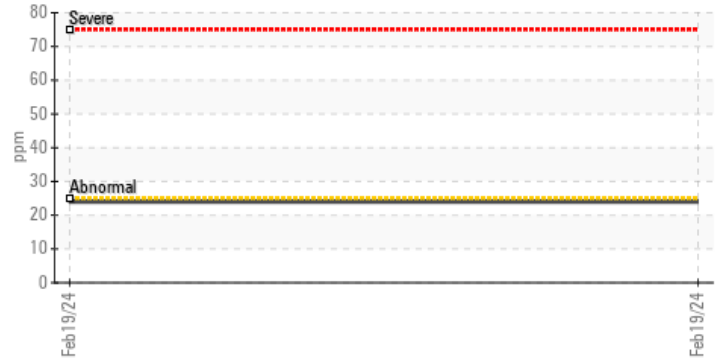
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

