



CONSTRUCTION EQUIPMENT

S50403997 HERC RENTA VOLVO L70H 623495 - DIESEL ENGINE



Sample No: VCP453859
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: S50403997 HERC RENTA



SAMPLE INFORMATION

Sample Number	VCP453859	---	---	---
Sample Date	09 Jul 2024	---	---	---
Machine Hours	2267	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

VCES- VOLVO CONSTRUCTION EQUIPMENT
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	---	---	---
Base Number (BN)	mg KOH/g	█ 8.7	---	---	---
Oxidation (PA)	%	65	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The aluminum level is abnormal. All other 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 acceptable for the time in service.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	61	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 36	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	▲ 51	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ 111	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1518	---	---	---
Magnesium	ppm	█ 641	---	---	---
Zinc	ppm	█ 986	---	---	---
Phosphorus	ppm	█ 811	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 204	---	---	---

Depot: VOLVO4486
Unique No: 11115573
Signed: Don Baldrige
Report Date: 11 Jul 2024

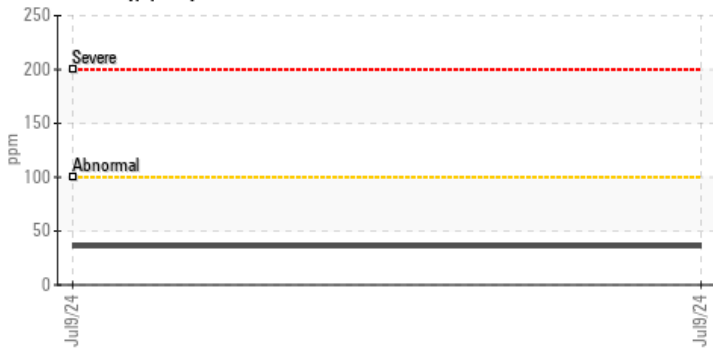


CONSTRUCTION EQUIPMENT



GRAPHS

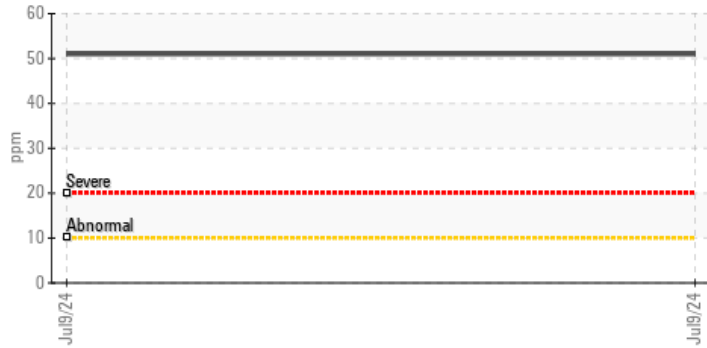
Iron (ppm)



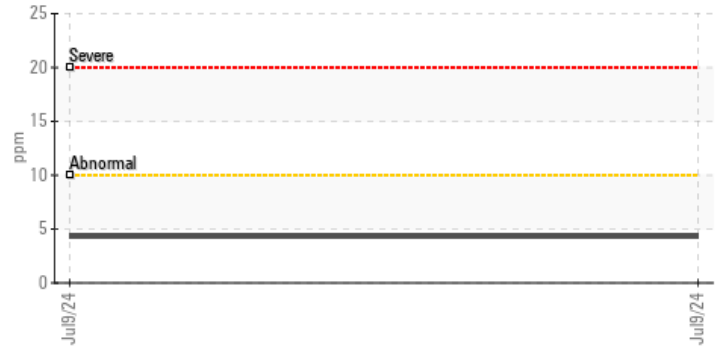
Lead (ppm)



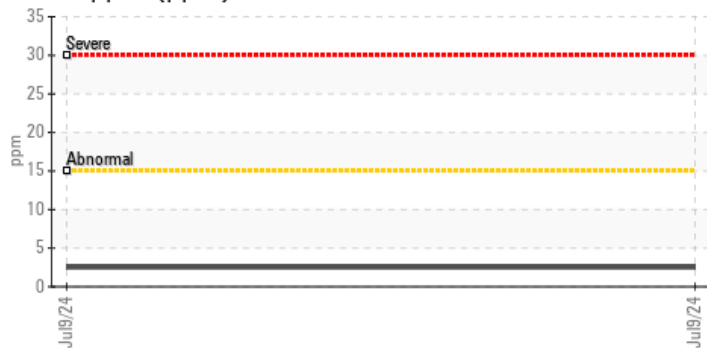
Aluminum (ppm)



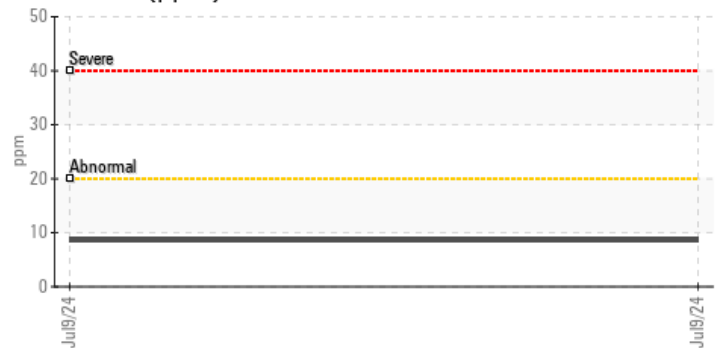
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

