



CONSTRUCTION EQUIPMENT

714189 HERC VOLVO EC200 314670 - DIESEL ENGINE



Sample No: VCP449743
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 714189 HERC



SAMPLE INFORMATION

Sample Number	VCP449743	VCP451295	---	---
Sample Date	01 May 2024	21 Apr 2024	---	---
Machine Hours	644	746	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.6	11.9	---	---
Base Number (BN)	mg KOH/g	8.0	8.2	---	---
Oxidation (PA)	%	53	49	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	59	53	---	---
Sulfation (PA)	%	51	48	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	0.4	---	---
Silicon	ppm	8	5	---	---
Sodium	ppm	<1	2	---	---
Potassium	ppm	3	4	---	---



WEAR METALS

Iron	ppm	9	6	---	---
Copper	ppm	1	1	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	1	<1	---	---
Aluminum	ppm	4	4	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	53	16	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	10	1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	1473	1343	---	---
Magnesium	ppm	616	596	---	---
Zinc	ppm	966	860	---	---
Phosphorus	ppm	782	739	---	---
Barium	ppm	0	1	---	---
Boron	ppm	203	135	---	---

Depot: VOLVO0096
Unique No: 11018543
Signed: Wes Davis
Report Date: 09 May 2024

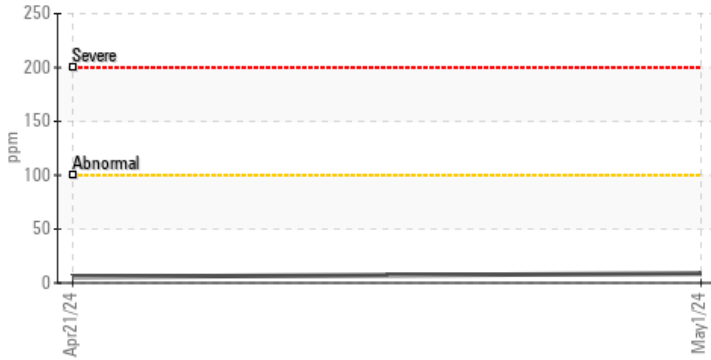


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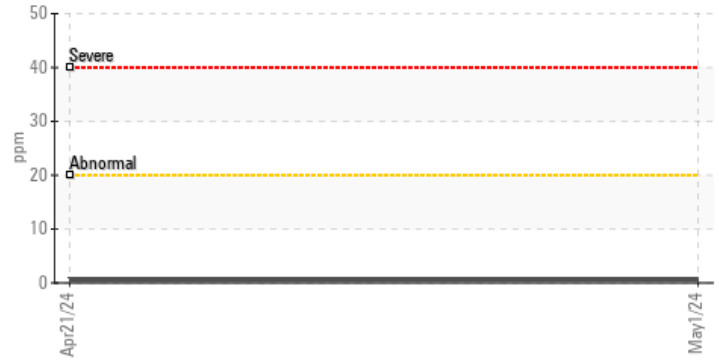


GRAPHS

Iron (ppm)



Lead (ppm)



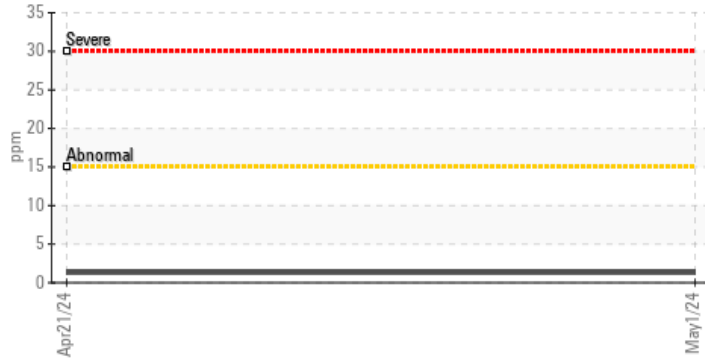
Aluminum (ppm)



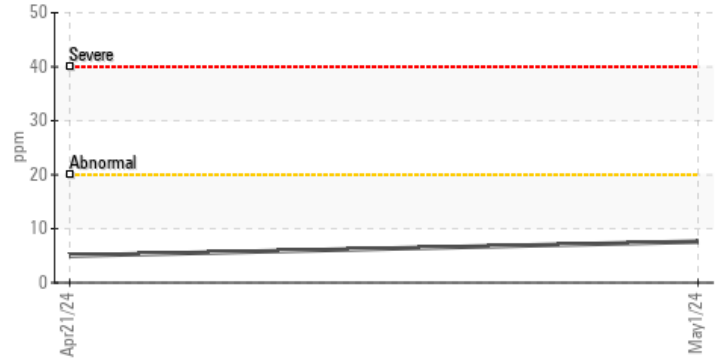
Chromium (ppm)



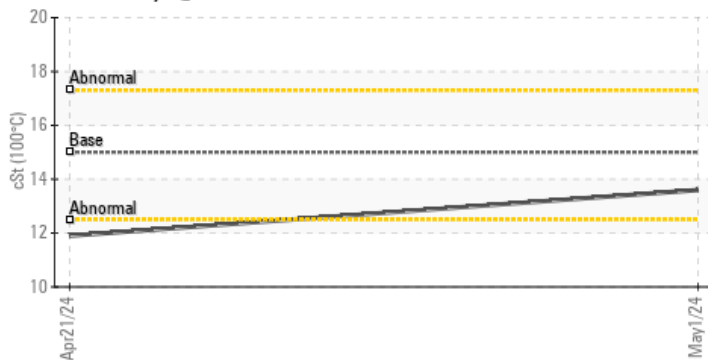
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

