



CONSTRUCTION EQUIPMENT

G08834 BCI-BLACKWOOD VOLVO A40D 12347 - DIESEL ENGINE



Sample No: VCP445280
Oil Type: {unknown}
Job No: G08834 BCI-BLACKWOOD



HOFFMAN EQUIPMENT - DEPTFORD
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SAMPLE INFORMATION

Sample Number	VCP445280	VCP32707	---	---
Sample Date	24 Jun 2024	03 May 2006	---	---
Machine Hours	15592	838	---	---
Oil Hours	0	250	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	MARGINAL	NORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	11.5	12.7	---	---
Base Number (BN)	mg KOH/g	7.1	---	---	---
Oxidation (PA)	%	43	65	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.5	0.4	---	---
Nitration (PA)	%	61	25	---	---
Sulfation (PA)	%	50	37	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	2.7	<1.0	---	---
Silicon	ppm	7	4	---	---
Sodium	ppm	1	3	---	---
Potassium	ppm	2	2	---	---



WEAR METALS

Iron	ppm	11	19	---	---
Copper	ppm	<1	2	---	---
Lead	ppm	2	1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	11	9	---	---
Nickel	ppm	0	1	---	---
Titanium	ppm	3	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	2422	2579	---	---
Magnesium	ppm	171	123	---	---
Zinc	ppm	1132	1174	---	---
Phosphorus	ppm	999	1058	---	---
Barium	ppm	0	7	---	---
Boron	ppm	15	20	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Light fuel dilution occurring. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: VOLVO8880
Unique No: 11100125
Signed: Jonathan Hester
Report Date: 01 Jul 2024

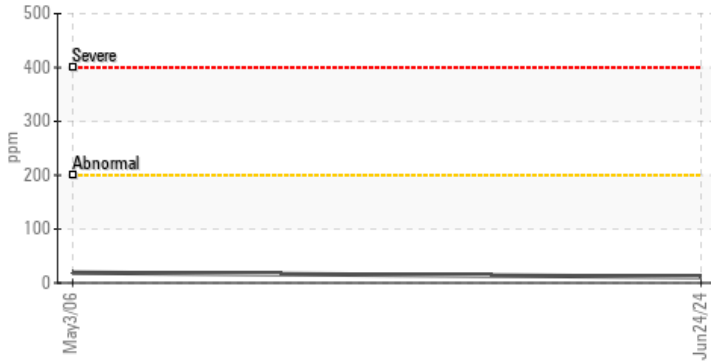


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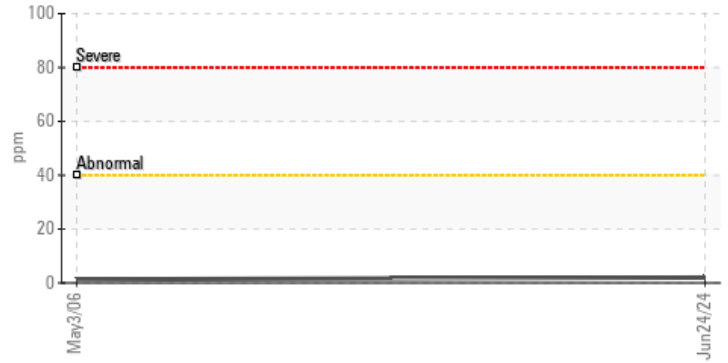


GRAPHS

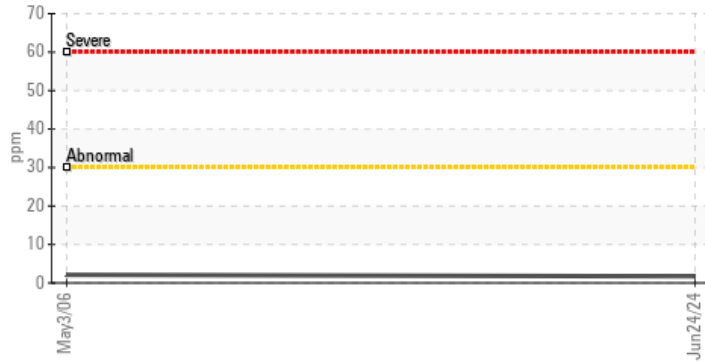
Iron (ppm)



Lead (ppm)



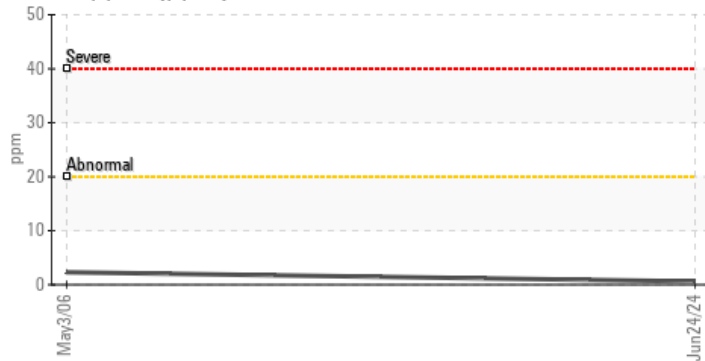
Aluminum (ppm)



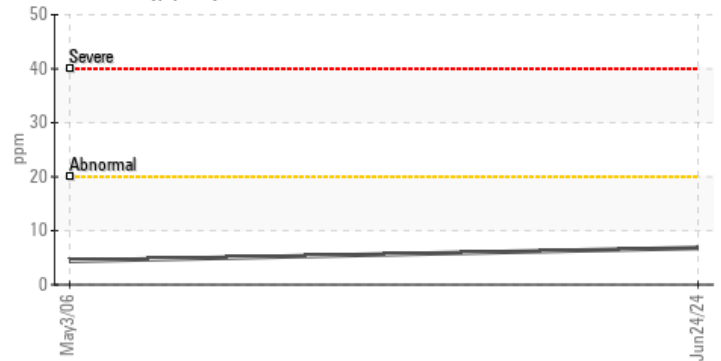
Chromium (ppm)



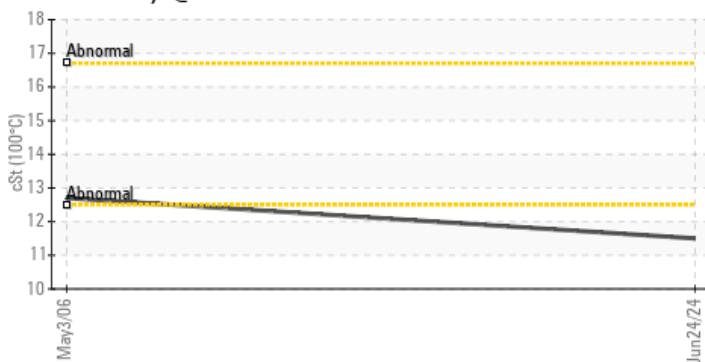
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

