



CONSTRUCTION EQUIPMENT

G08813 VOLVO A30F 82282 - DIESEL ENGINE



Sample No: VCP447851
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: G08813



SAMPLE INFORMATION

Sample Number	VCP447851	VCP409818	VCP194836	VCP193884
Sample Date	24 May 2024	05 Jul 2023	28 Jun 2017	03 May 2017
Machine Hours	16722	15580	6549	6252
Oil Hours	0	0	250	250
Oil Changed	N/A	N/A	Changed	Changed
Sample Status	ATTENTION	ABNORMAL	NORMAL	NORMAL

OCEAN COUNTY LANDFILL
 PO BOX 207
 BELLFORD, NJ
 US 07718
 Contact: SERVICE MANAGER

OIL CONDITION

Visc @ 100°C	cSt	11.3	11.2	12.08	11.77
Base Number (BN)	mg KOH/g	6.7	6.7	---	---
Oxidation (PA)	%	38	47	64	64

T: (732)787-0226
 F: (732)495-6225

Diagnosis

No corrective action is recommended at this time. 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 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	NEG	NEG	NEG
Soot %	%	0.1	0.2	0.1	0
Nitration (PA)	%	58	63	50	50
Sulfation (PA)	%	45	50	55	44
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	2.9	<1.0	<1.0
Silicon	ppm	6	6	5	4
Sodium	ppm	2	1	9	13
Potassium	ppm	4	2	2	1

WEAR METALS

Iron	ppm	3	7	7	6
Copper	ppm	0	1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	0	7
Aluminum	ppm	2	4	2	2
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	6	12	48	45
Nickel	ppm	<1	0	0	0
Titanium	ppm	2	12	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	0	0

ADDITIVES

Calcium	ppm	2208	2030	1784	1601
Magnesium	ppm	110	227	511	458
Zinc	ppm	1077	1098	896	840
Phosphorus	ppm	933	910	758	756
Barium	ppm	<1	0	<1	0
Boron	ppm	14	30	34	33

Depot: OCEBED
Unique No: 11059514
Signed: Jonathan Hester
Report Date: 11 Jun 2024

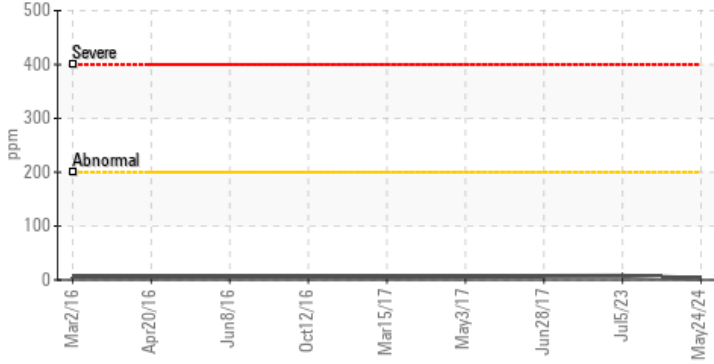


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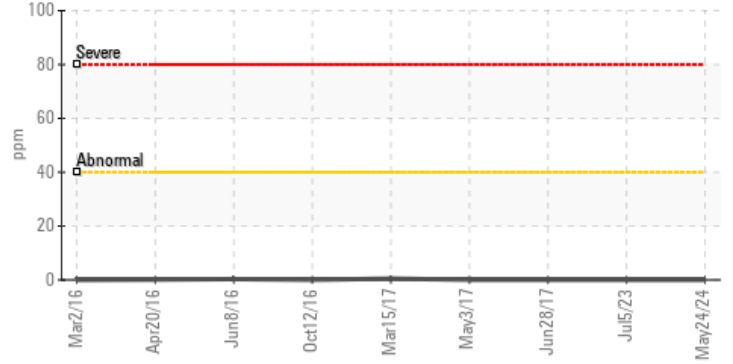


GRAPHS

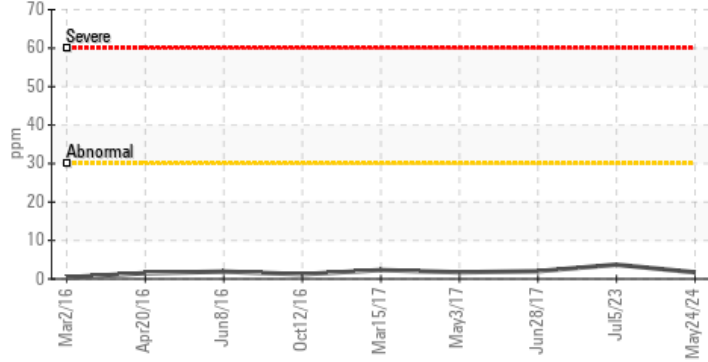
Iron (ppm)



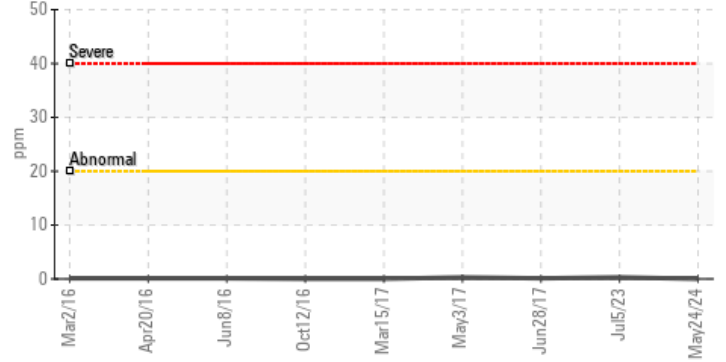
Lead (ppm)



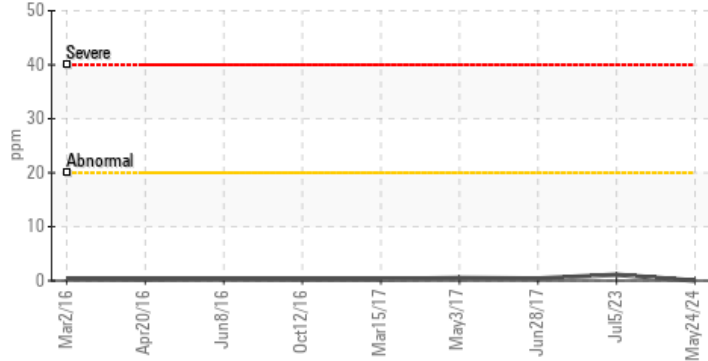
Aluminum (ppm)



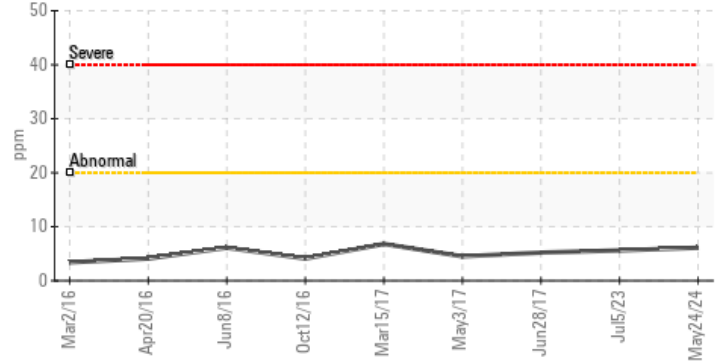
Chromium (ppm)



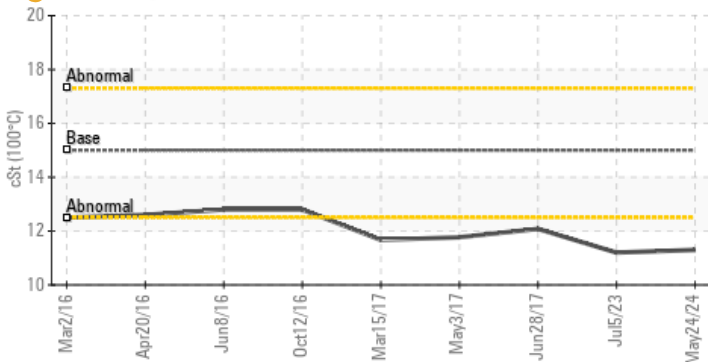
Copper (ppm)



Silicon (ppm)



● Viscosity @ 100°C



Base Number

