



CONSTRUCTION EQUIPMENT

A12304 VOLVO L120H 633139 - DIESEL ENGINE



Sample No: VCP446021
Oil Type: MOBIL 15W40
Job No: A12304



SAMPLE INFORMATION

Sample Number	VCP446021	VCP440440	VCP434156	VCP428751
Sample Date	18 Mar 2024	14 Feb 2024	06 Dec 2023	05 Dec 2023
Machine Hours	4650	4430	3950	4190
Oil Hours	250	250	250	250
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

GOURMETS DELIGHT

PO BOX 160
 AVONDALE, PA
 US 19311
 Contact: GABE VALENTINO
 gabe.valentino@gourmetsfinest.com
 T: (610)268-3578
 F: (610)268-2298



OIL CONDITION

Visc @ 100°C	cSt	13.4	13.3	13.1	13.3
Base Number (BN)	mg KOH/g	7.5	7.2	6.9	6.9
Oxidation (PA)	%	41	37	39	37



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.2	0.1
Nitration (PA)	%	53	52	53	50
Sulfation (PA)	%	45	44	45	44
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	3	3	3
Sodium	ppm	2	0	<1	<1
Potassium	ppm	2	3	2	2



WEAR METALS

Iron	ppm	4	4	5	3
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	3	2	2	2
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	7	7	11	8
Nickel	ppm	<1	0	0	0
Titanium	ppm	20	<1	<1	<1
Silver	ppm	0	<1	<1	<1
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	2081	1886	1976	2076
Magnesium	ppm	153	71	159	115
Zinc	ppm	1091	899	1030	1072
Phosphorus	ppm	938	834	808	932
Barium	ppm	0	0	0	0
Boron	ppm	36	7	8	7

Diagnosis

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: GOUAVO
Unique No: 10937582
Signed: Wes Davis
Report Date: 21 Mar 2024

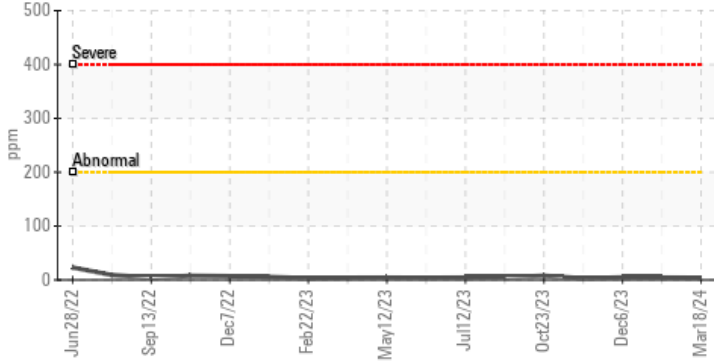


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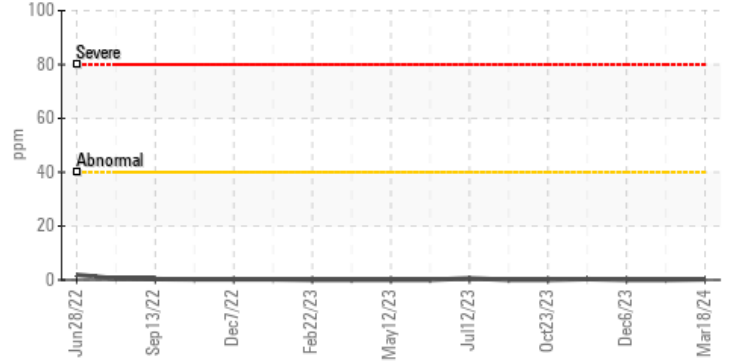


GRAPHS

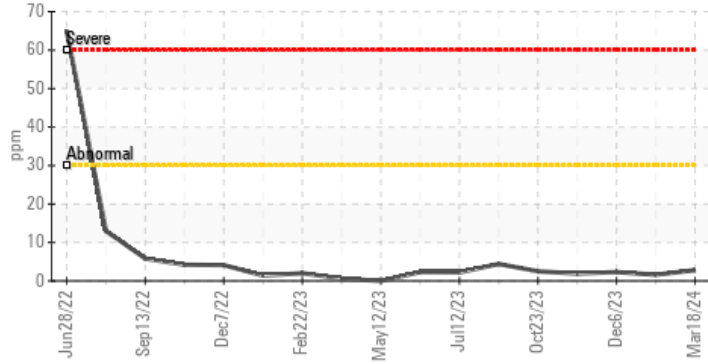
Iron (ppm)



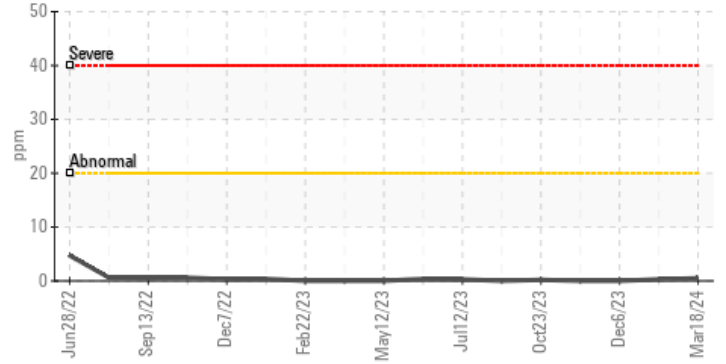
Lead (ppm)



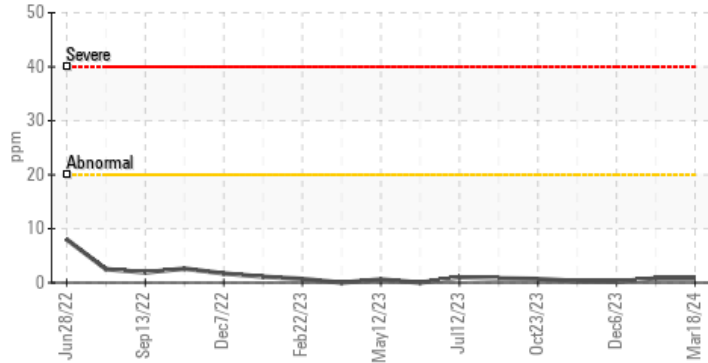
Aluminum (ppm)



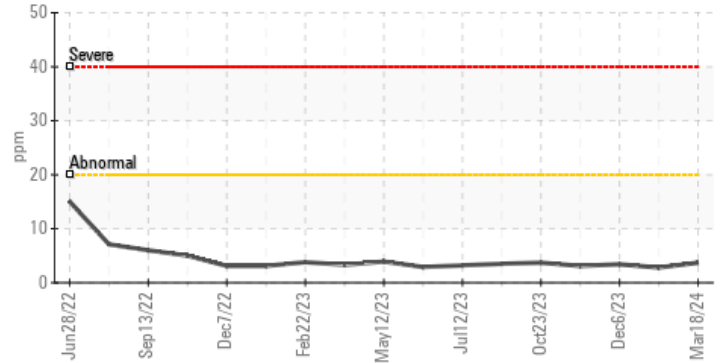
Chromium (ppm)



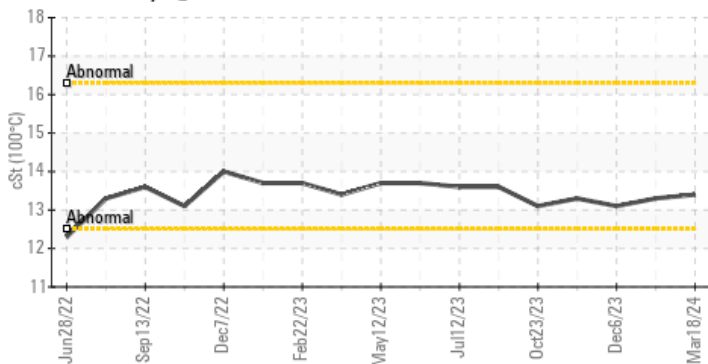
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

