



CONSTRUCTION EQUIPMENT

A11809 VOLVO L120H 633047 - DIESEL ENGINE



Sample No: VCP441983
Oil Type: MOBIL 15W40
Job No: A11809



SAMPLE INFORMATION

Sample Number	VCP441983	VCP434167	VCP430934	VCP356333
Sample Date	04 Jan 2024	07 Dec 2023	01 Nov 2023	31 Aug 2023
Machine Hours	3925	3690	3400	3065
Oil Hours	250	250	250	250
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

GOURMETS DELIGHT

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 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	13.3	13.2	12.9	13.3
Base Number (BN)	mg KOH/g	7.0	7.2	7.6	8.2
Oxidation (PA)	%	37	39	43	45

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.2	0.3	0.2
Nitration (PA)	%	51	53	54	49
Sulfation (PA)	%	45	45	47	45
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	4	3	3
Sodium	ppm	0	<1	<1	2
Potassium	ppm	2	2	2	<1

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.

WEAR METALS

Iron	ppm	5	5	8	5
Copper	ppm	0	<1	2	1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	4	4	6	8
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	6	10	25	28
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	0	0	<1	0

ADDITIVES

Calcium	ppm	2033	2005	1788	1881
Magnesium	ppm	115	148	306	377
Zinc	ppm	1103	1057	1090	1106
Phosphorus	ppm	922	876	924	925
Barium	ppm	0	0	7	0
Boron	ppm	9	8	11	16

Depot: GOUAVO
Unique No: 10836333
Signed: Wes Davis
Report Date: 19 Jan 2024

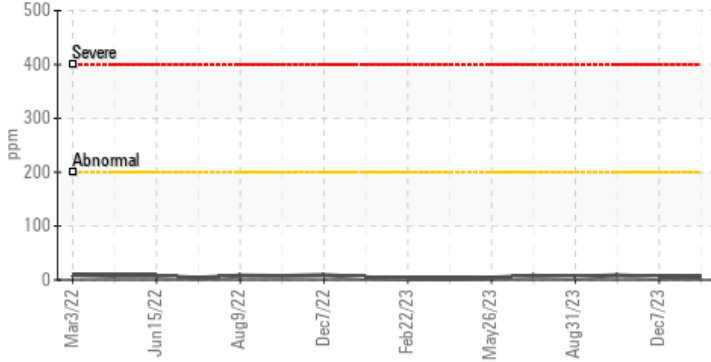


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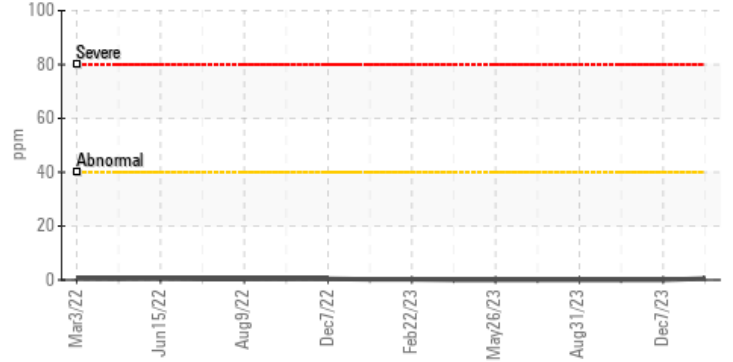


GRAPHS

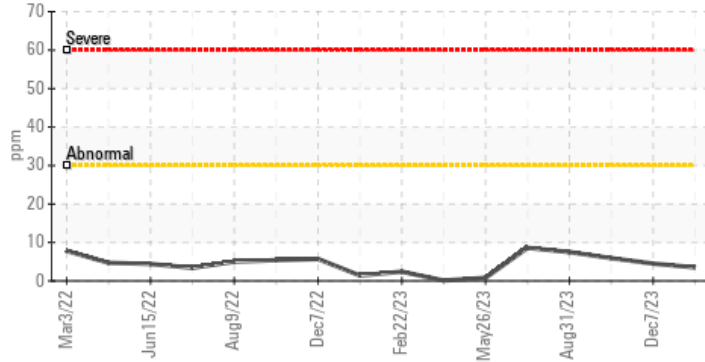
Iron (ppm)



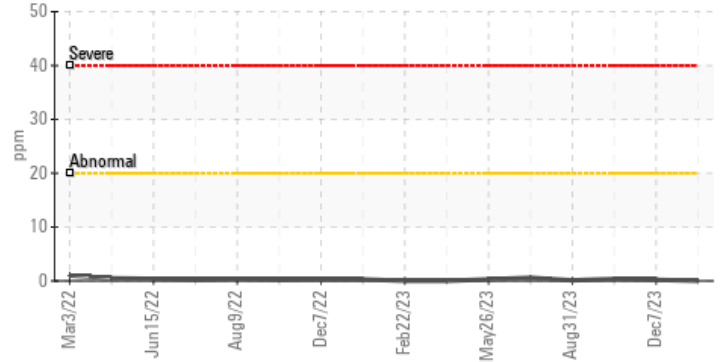
Lead (ppm)



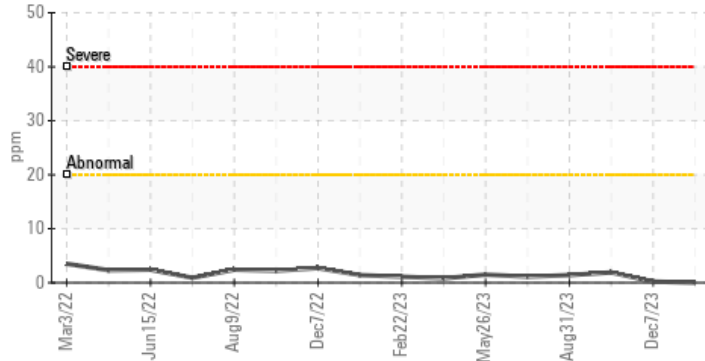
Aluminum (ppm)



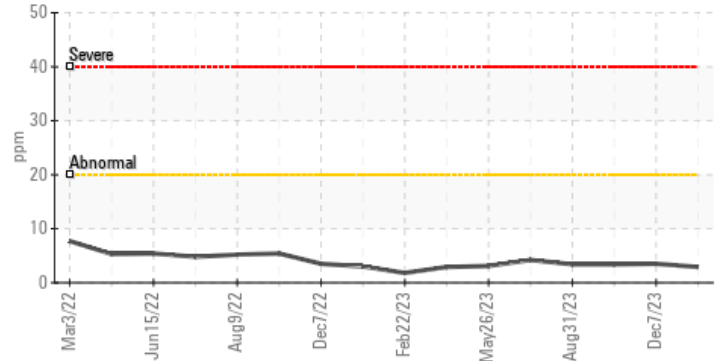
Chromium (ppm)



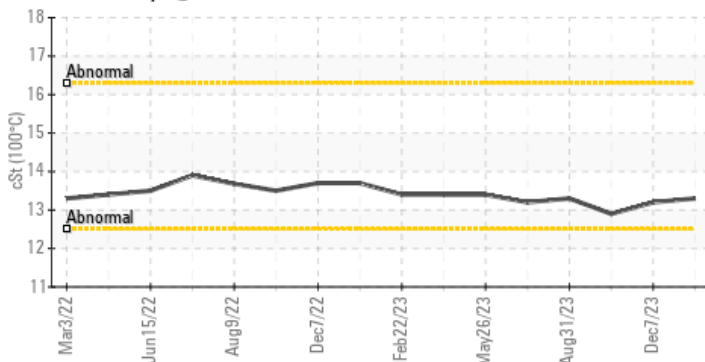
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

