



CONSTRUCTION EQUIPMENT

A12303 VOLVO L120H 633047 - DIESEL ENGINE



Sample No: VCP446011
Oil Type: MOBIL 15W40
Job No: A12303



SAMPLE INFORMATION

Sample Number	VCP446011	VCP444086	VCP441983	VCP434167
Sample Date	18 Mar 2024	07 Feb 2024	04 Jan 2024	07 Dec 2023
Machine Hours	4500	4177	3925	3690
Oil Hours	250	0	250	250
Oil Changed	Changed	N/A	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	13.8	13.3	13.3	13.2
Base Number (BN)	mg KOH/g	8.5	6.9	7.0	7.2
Oxidation (PA)	%	57	37	37	39



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.2	0.2	0.2
Nitration (PA)	%	60	52	51	53
Sulfation (PA)	%	52	45	45	45
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	2	3	4
Sodium	ppm	3	<1	0	<1
Potassium	ppm	1	0	2	2



WEAR METALS

Iron	ppm	6	3	5	5
Copper	ppm	<1	0	0	<1
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	4	2	4	4
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	35	6	6	10
Nickel	ppm	<1	0	<1	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	1699	2191	2033	2005
Magnesium	ppm	383	87	115	148
Zinc	ppm	1138	1078	1103	1057
Phosphorus	ppm	981	944	922	876
Barium	ppm	0	0	0	0
Boron	ppm	21	8	9	8

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: 10937584
Signed: Wes Davis
Report Date: 21 Mar 2024

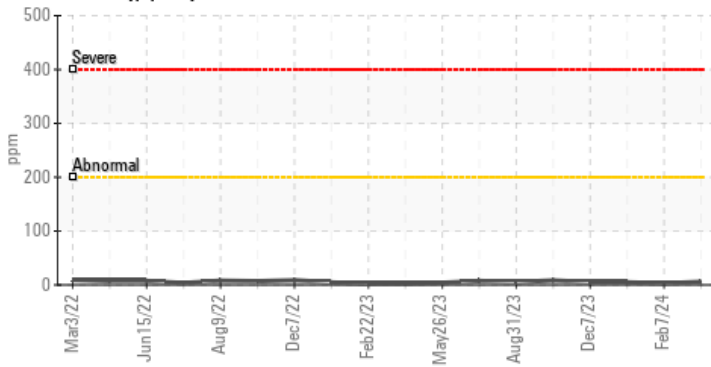


CONSTRUCTION EQUIPMENT

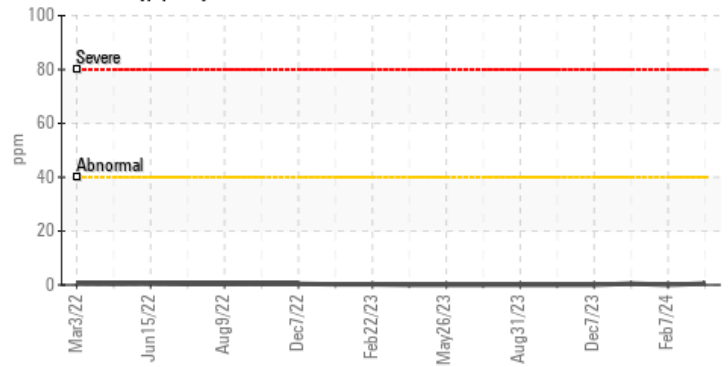


GRAPHS

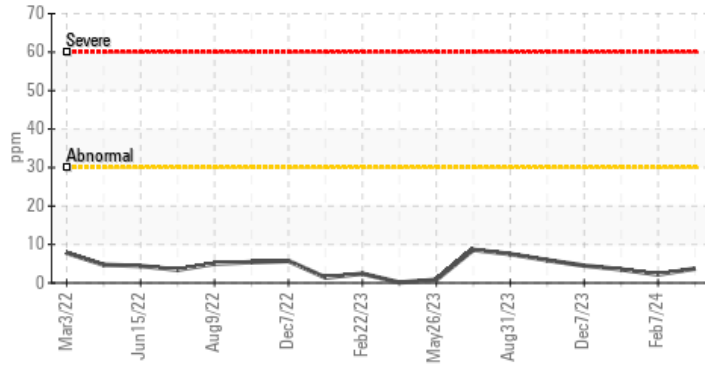
Iron (ppm)



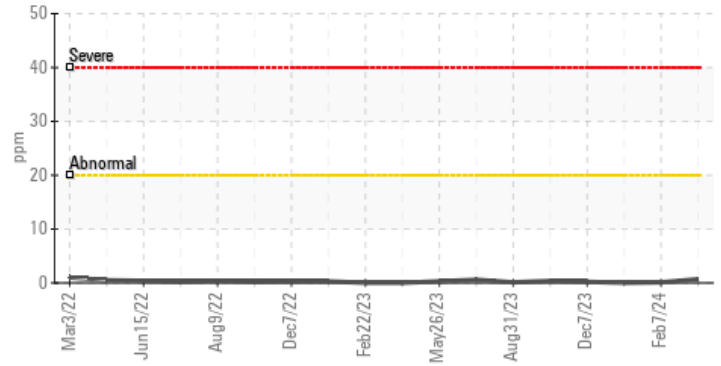
Lead (ppm)



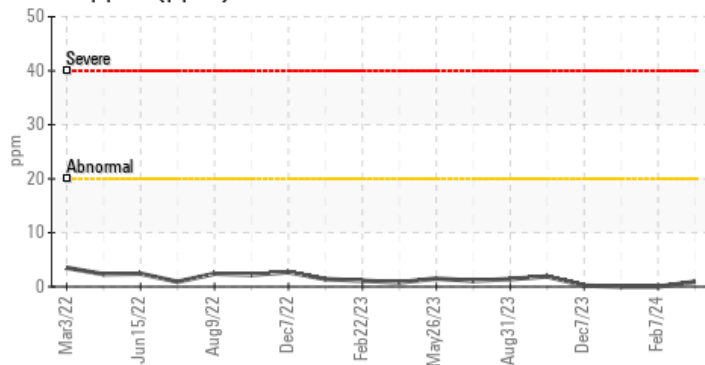
Aluminum (ppm)



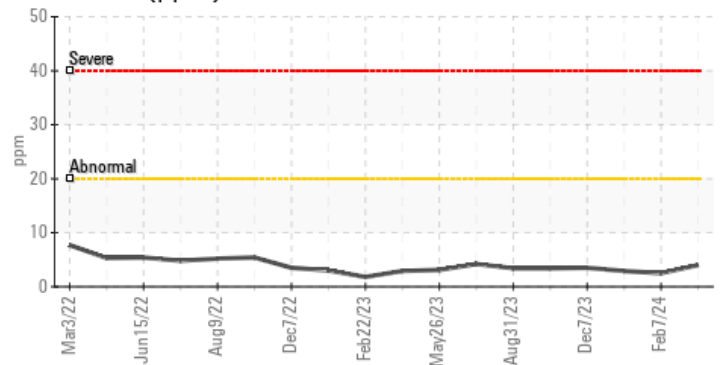
Chromium (ppm)



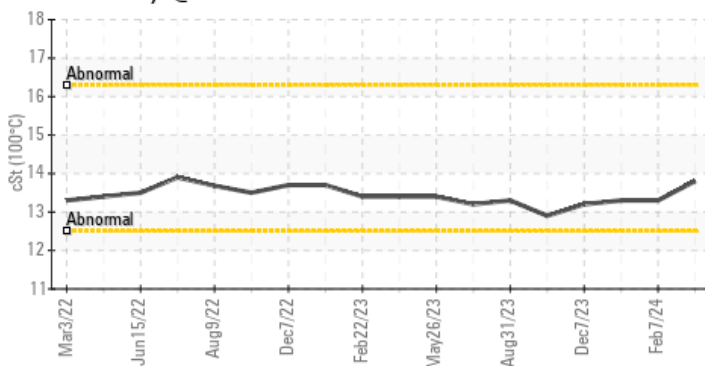
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

