



CONSTRUCTION EQUIPMENT

A12492 VOLVO L120H 633047 - DIESEL ENGINE



Sample No: VCP416968
Oil Type: MOBIL 15W40
Job No: A12492



SAMPLE INFORMATION

Sample Number	VCP416968	VCP446011	VCP444086	VCP441983
Sample Date	18 Apr 2024	18 Mar 2024	07 Feb 2024	04 Jan 2024
Machine Hours	4730	4500	4177	3925
Oil Hours	250	250	0	250
Oil Changed	Changed	Changed	N/A	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	13.5	13.8	13.3	13.3
Base Number (BN)	mg KOH/g	7.5	8.5	6.9	7.0
Oxidation (PA)	%	45	57	37	37



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.2	0.2	0.2
Nitration (PA)	%	55	60	52	51
Sulfation (PA)	%	48	52	45	45
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	2	3
Sodium	ppm	2	3	<1	0
Potassium	ppm	<1	1	0	2



WEAR METALS

Iron	ppm	5	6	3	5
Copper	ppm	<1	<1	0	0
Lead	ppm	0	<1	0	<1
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	3	4	2	4
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	10	35	6	6
Nickel	ppm	0	<1	0	<1
Titanium	ppm	27	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	1969	1699	2191	2033
Magnesium	ppm	224	383	87	115
Zinc	ppm	1021	1138	1078	1103
Phosphorus	ppm	897	981	944	922
Barium	ppm	0	0	0	0
Boron	ppm	48	21	8	9

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: 10990947
Signed: Wes Davis
Report Date: 22 Apr 2024

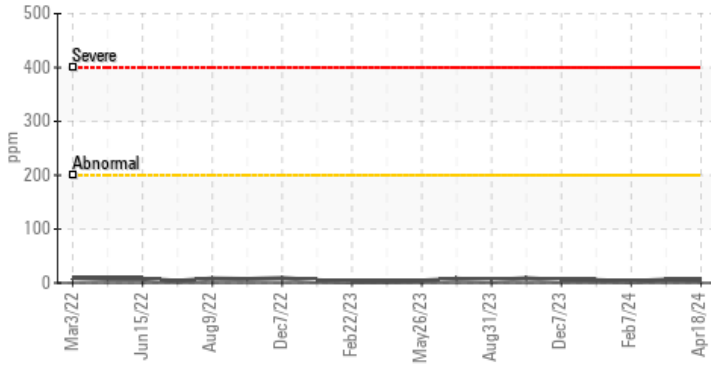


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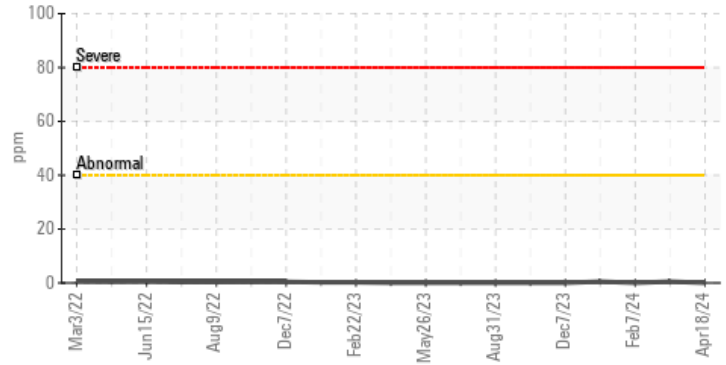


GRAPHS

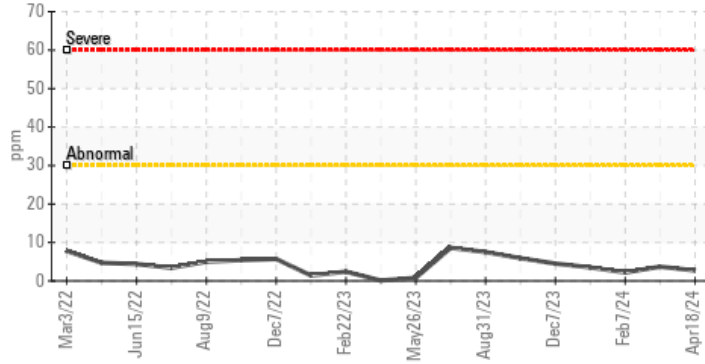
Iron (ppm)



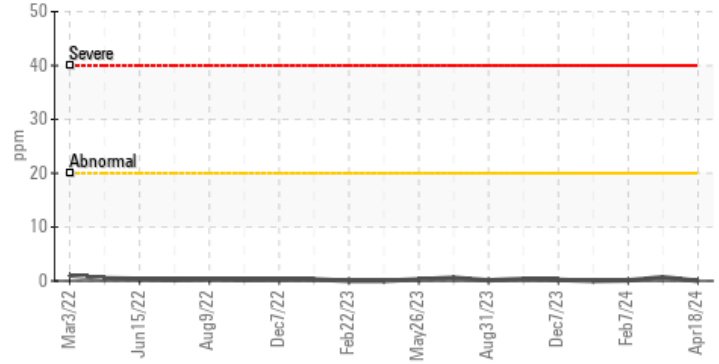
Lead (ppm)



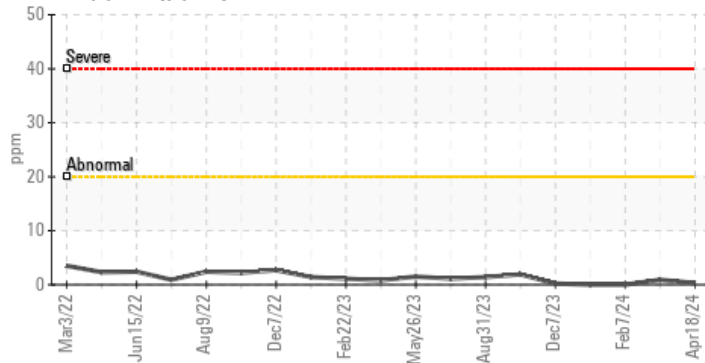
Aluminum (ppm)



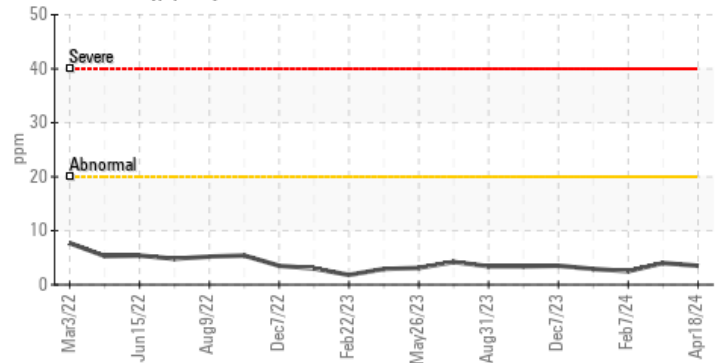
Chromium (ppm)



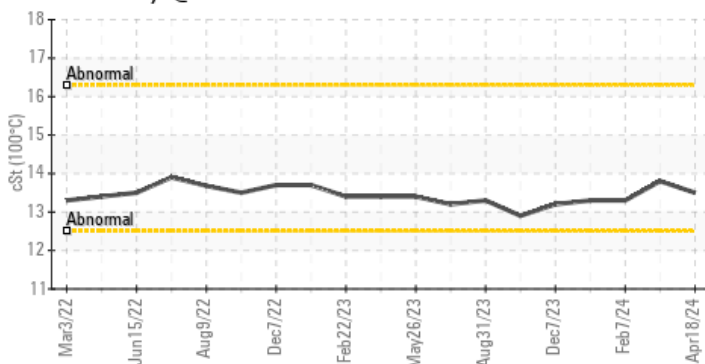
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

