



CONSTRUCTION EQUIPMENT

A12713 VOLVO L120H 633047 - DIESEL ENGINE



Sample No: VCP427216
Oil Type: MOBIL 15W40
Job No: A12713



SAMPLE INFORMATION

Sample Number	VCP427216	VCP416968	VCP446011	VCP444086
Sample Date	22 May 2024	18 Apr 2024	18 Mar 2024	07 Feb 2024
Machine Hours	4955	4730	4500	4177
Oil Hours	250	250	250	0
Oil Changed	Changed	Changed	Changed	N/A
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	13.3	13.5	13.8	13.3
Base Number (BN)	mg KOH/g	7.3	7.5	8.5	6.9
Oxidation (PA)	%	42	45	57	37



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.2	0.2	0.2
Nitration (PA)	%	54	55	60	52
Sulfation (PA)	%	46	48	52	45
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	4	4	2
Sodium	ppm	1	2	3	<1
Potassium	ppm	3	<1	1	0



WEAR METALS

Iron	ppm	6	5	6	3
Copper	ppm	1	<1	<1	0
Lead	ppm	<1	0	<1	0
Tin	ppm	1	<1	<1	0
Aluminum	ppm	4	3	4	2
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	12	10	35	6
Nickel	ppm	<1	0	<1	0
Titanium	ppm	21	27	<1	<1
Silver	ppm	1	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	<1	<1	0



ADDITIVES

Calcium	ppm	1930	1969	1699	2191
Magnesium	ppm	236	224	383	87
Zinc	ppm	1080	1021	1138	1078
Phosphorus	ppm	863	897	981	944
Barium	ppm	<1	0	0	0
Boron	ppm	34	48	21	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: 11048558
Signed: Wes Davis
Report Date: 29 May 2024

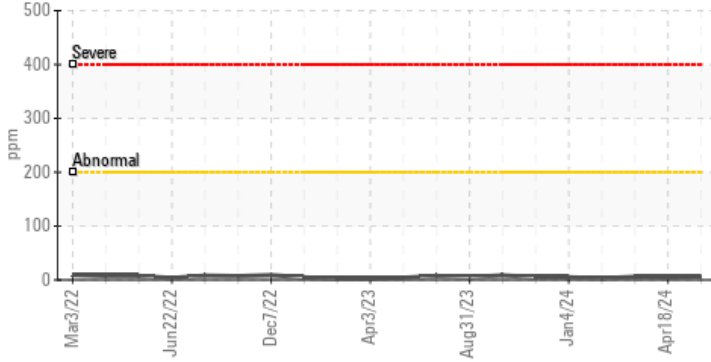


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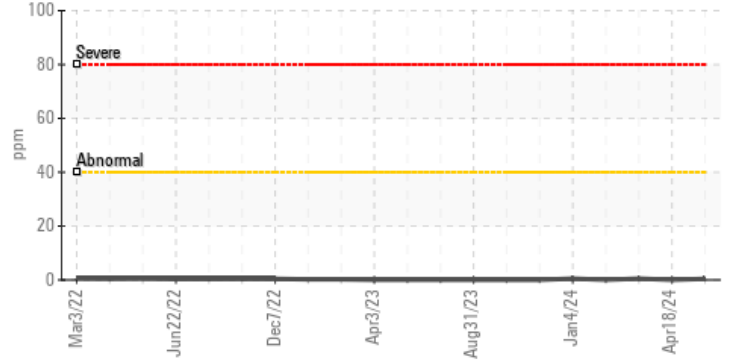


GRAPHS

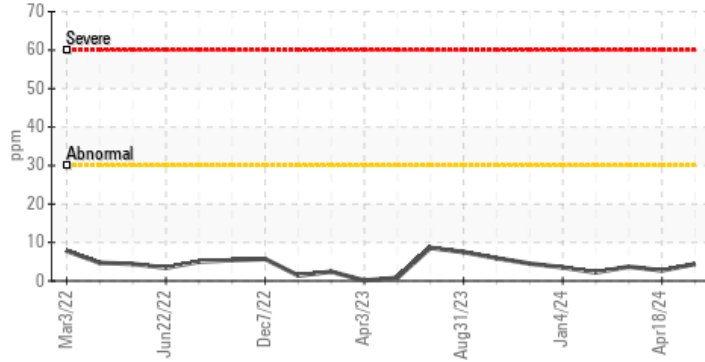
Iron (ppm)



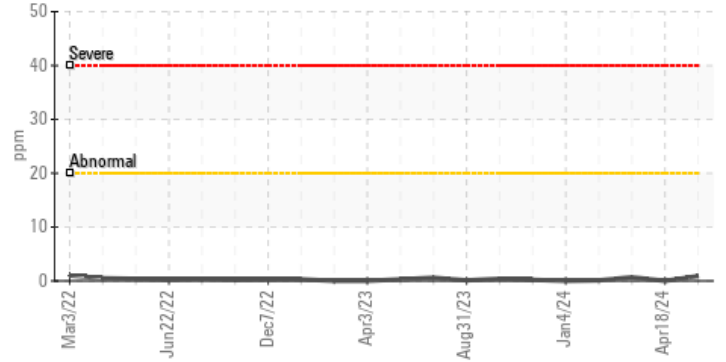
Lead (ppm)



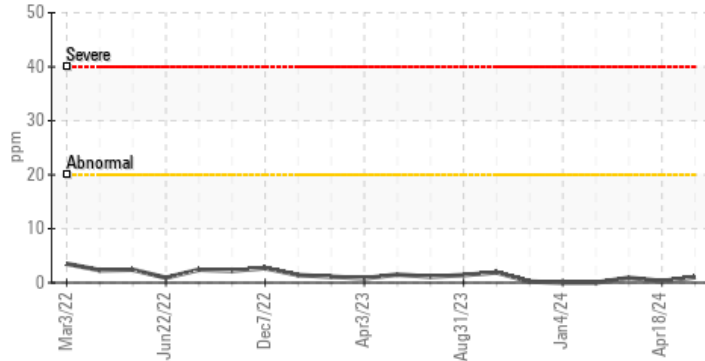
Aluminum (ppm)



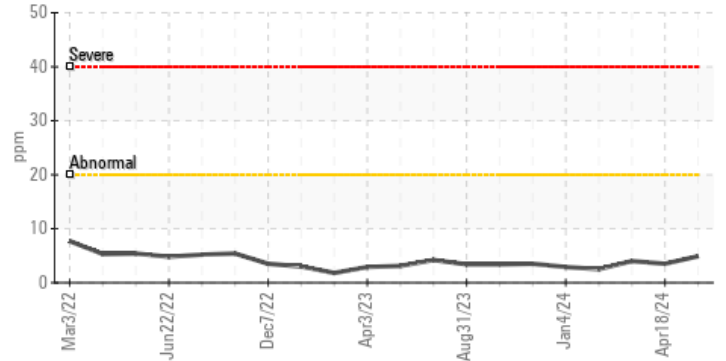
Chromium (ppm)



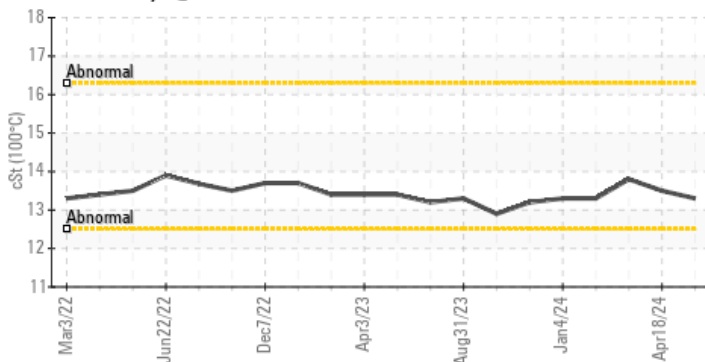
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

