



CONSTRUCTION EQUIPMENT

SHOP VOLVO L120G 30056 - DIESEL ENGINE



Sample No: VCP425537
Oil Type: PETRO CANADA 10W30
Job No: SHOP



SAMPLE INFORMATION

Sample Number	VCP425537	VCP395384	VCP373508	VCP373505
Sample Date	07 Apr 2024	25 May 2023	29 Jan 2023	21 Aug 2022
Machine Hours	16575	15962	15666	15385
Oil Hours	300	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

WOODBED CORP dba DELULLO TRUCKING
 1022 DELAUM RD
 ST MARYS, PA
 US 15857
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OIL CONDITION

Visc @ 100°C	cSt	11.4	11.3	11.6	10.4
Base Number (BN)	mg KOH/g	8.8	8.9	7.8	9.1
Oxidation (PA)	%	57	53	62	67

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.4	0.4	0.6	2.1
Nitration (PA)	%	58	54	63	84
Sulfation (PA)	%	50	50	57	69
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	1.2	<1.0
Silicon	ppm	3	3	4	4
Sodium	ppm	<1	<1	2	1
Potassium	ppm	<1	3	9	15

WEAR METALS

Iron	ppm	15	11	16	26
Copper	ppm	<1	<1	1	1
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	7	4	7	7
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	60	50	9	6
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1067	1276	2008	1874
Magnesium	ppm	927	785	102	32
Zinc	ppm	1199	1242	1149	1013
Phosphorus	ppm	1037	1011	933	858
Barium	ppm	0	0	0	<1
Boron	ppm	16	45	157	134

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: WOOSTM
Unique No: 10969665
Signed: Wes Davis
Report Date: 11 Apr 2024

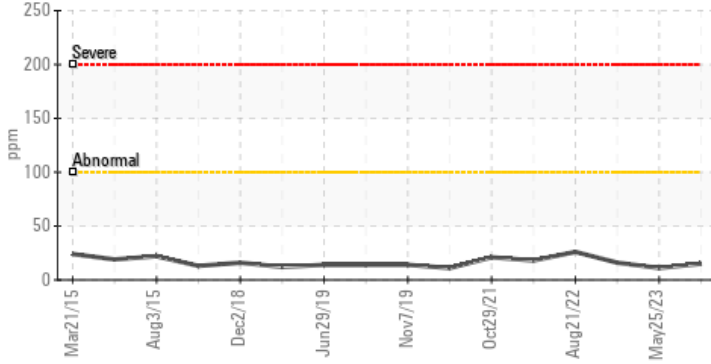


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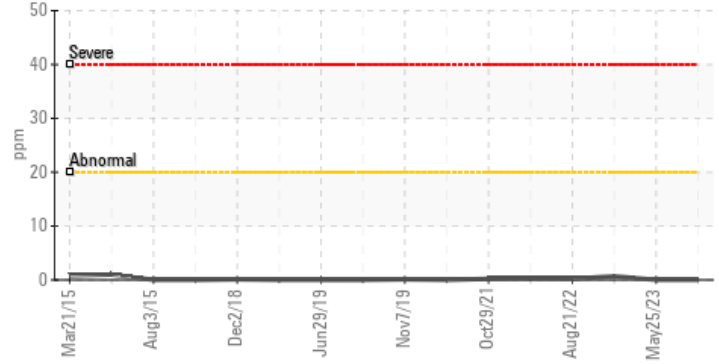


GRAPHS

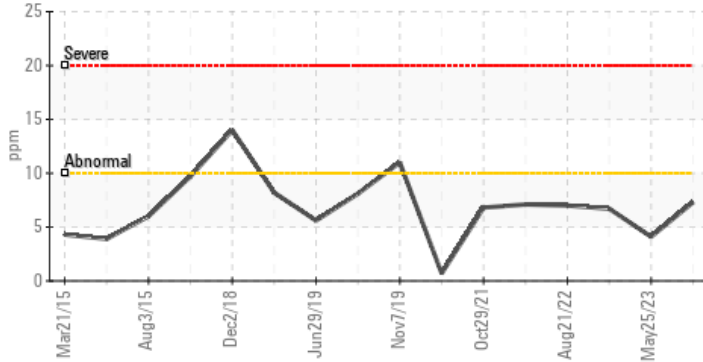
Iron (ppm)



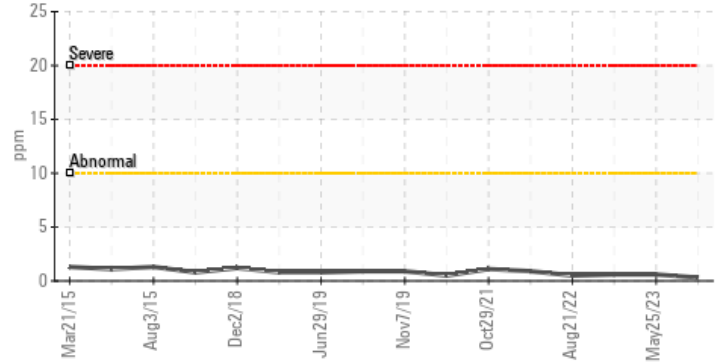
Lead (ppm)



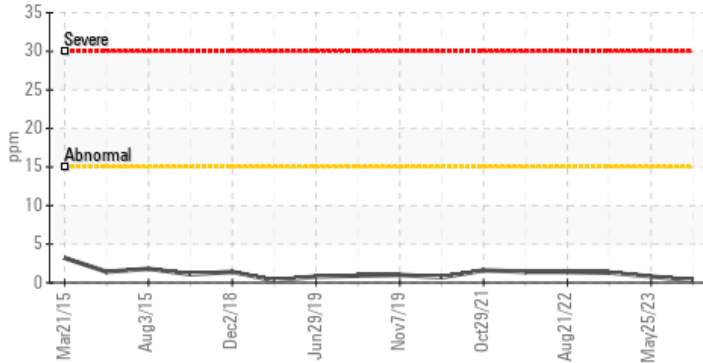
Aluminum (ppm)



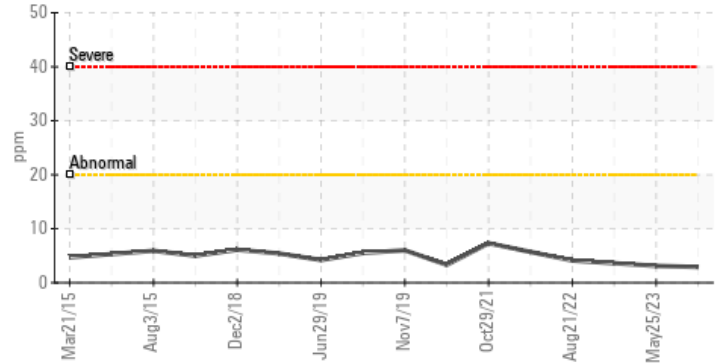
Chromium (ppm)



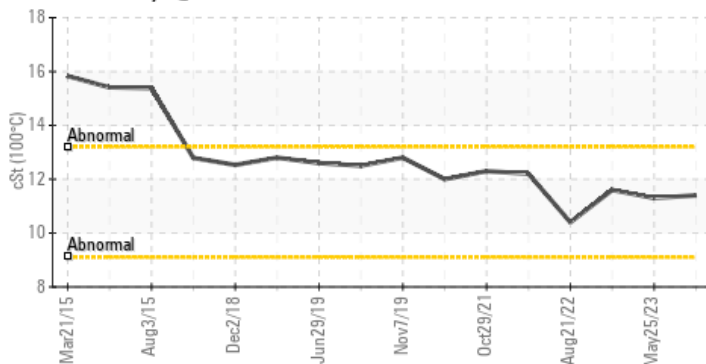
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

