



CONSTRUCTION EQUIPMENT

VOLVO L150G NR23026 - DIESEL ENGINE



Sample No: VCP442887
Oil Type: MOBIL DELVAC 1300 SUPER15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP442887	VCP436350	VCP418079	VCP403844
Sample Date	02 Feb 2024	05 Dec 2023	06 Sep 2023	05 Jun 2023
Machine Hours	13240	13014	12744	12465
Oil Hours	226	270	279	250
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.7	12.7	12.6	12.7
Base Number (BN)	mg KOH/g	9.8	10.2	10.3	10.5
Oxidation (PA)	%	76	79	77	77

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.



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.2	0.1
Nitration (PA)	%	48	50	50	47
Sulfation (PA)	%	58	60	59	60
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	2	4	3	4
Sodium	ppm	2	8	4	6
Potassium	ppm	2	1	0	<1



WEAR METALS

Iron	ppm	2	3	2	3
Copper	ppm	2	2	1	2
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	1	2	7	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	48	42	41	57
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	1546	1640	1649	2097
Magnesium	ppm	515	517	560	749
Zinc	ppm	905	932	944	1271
Phosphorus	ppm	716	746	772	1082
Barium	ppm	0	0	0	0
Boron	ppm	63	62	48	73

Depot: MARDIC
Unique No: 10874470
Signed: Wes Davis
Report Date: 14 Feb 2024

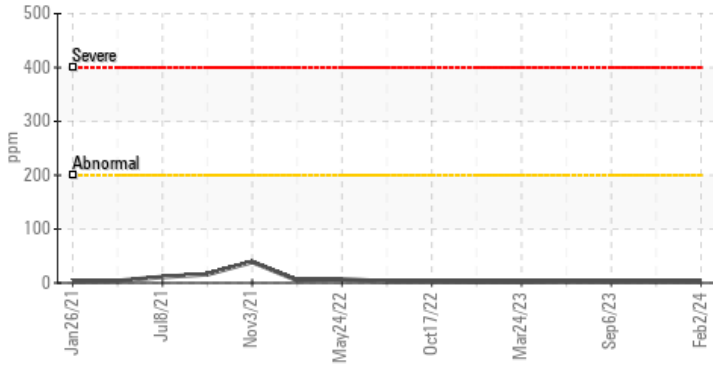


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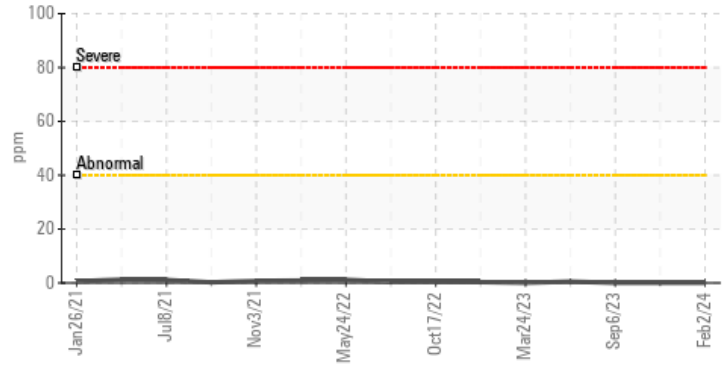


GRAPHS

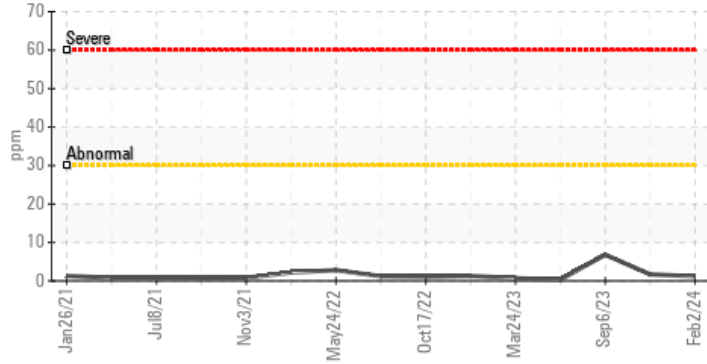
Iron (ppm)



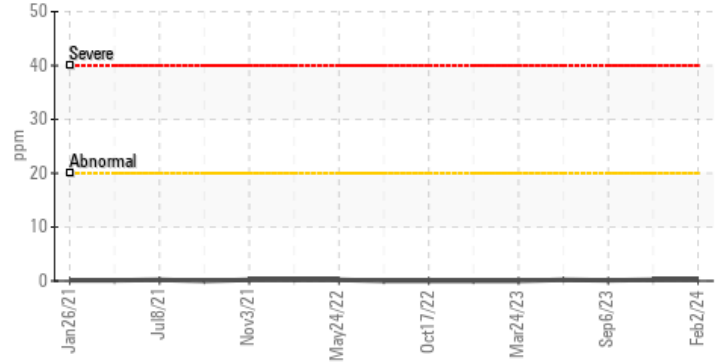
Lead (ppm)



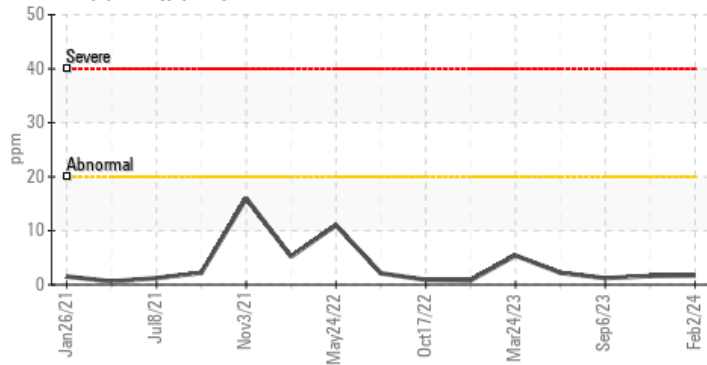
Aluminum (ppm)



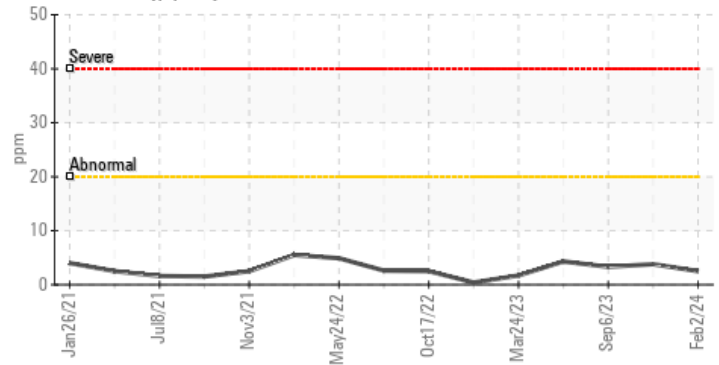
Chromium (ppm)



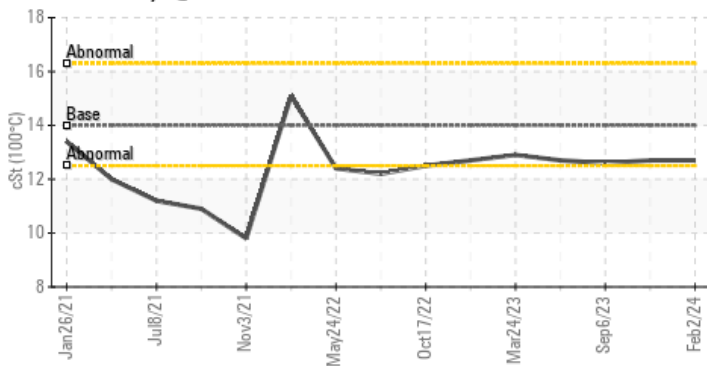
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

