



CONSTRUCTION EQUIPMENT

714806 STONE CO VOLVO L260H 1244 - DIESEL ENGINE



Sample No: VCP452791
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 714806 STONE CO



SAMPLE INFORMATION

Sample Number	VCP452791	VCP453930	VCP442762	VCP431342
Sample Date	08 May 2024	14 Mar 2024	20 Nov 2023	28 Sep 2023
Machine Hours	8286	7815	7353	6874
Oil Hours	500	500	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	13.1	13.1	12.8	13.3
Base Number (BN)	mg KOH/g	8.6	9.2	9.1	8.8
Oxidation (PA)	%	59	59	59	58

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 %	%	0.5	0.4	0.4	0.4
Nitration (PA)	%	65	63	63	60
Sulfation (PA)	%	53	52	54	53
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	4	2	2
Sodium	ppm	3	2	1	<1
Potassium	ppm	5	2	1	0



WEAR METALS

Iron	ppm	7	4	1	4
Copper	ppm	8	1	<1	1
Lead	ppm	3	<1	<1	<1
Tin	ppm	3	<1	<1	<1
Aluminum	ppm	4	2	<1	0
Chromium	ppm	2	<1	0	0
Molybdenum	ppm	63	59	57	60
Nickel	ppm	3	<1	0	0
Titanium	ppm	2	<1	0	0
Silver	ppm	3	0	0	0
Manganese	ppm	3	<1	<1	<1
Vanadium	ppm	2	<1	0	<1



ADDITIVES

Calcium	ppm	1093	1145	972	1035
Magnesium	ppm	947	968	920	995
Zinc	ppm	1252	1265	1224	1263
Phosphorus	ppm	1052	1097	999	1014
Barium	ppm	1	0	0	0
Boron	ppm	3	3	1	0

Depot: VOLVO2990
Unique No: 11033704
Signed: Don Baldrige
Report Date: 20 May 2024

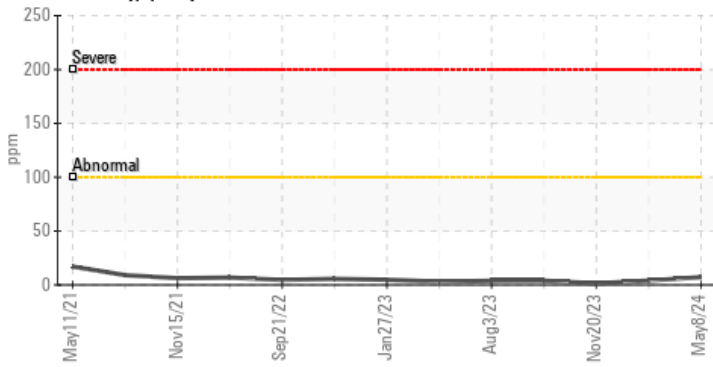


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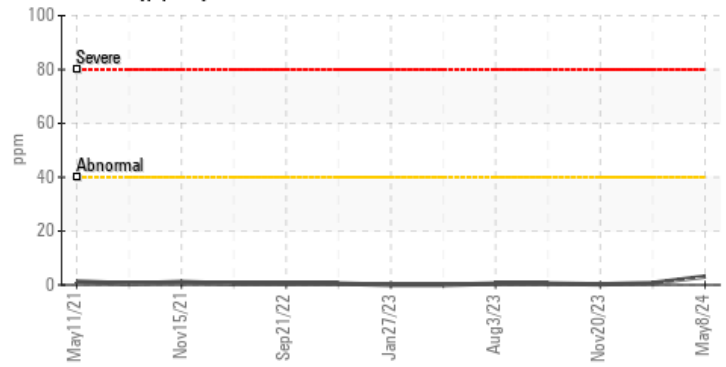


GRAPHS

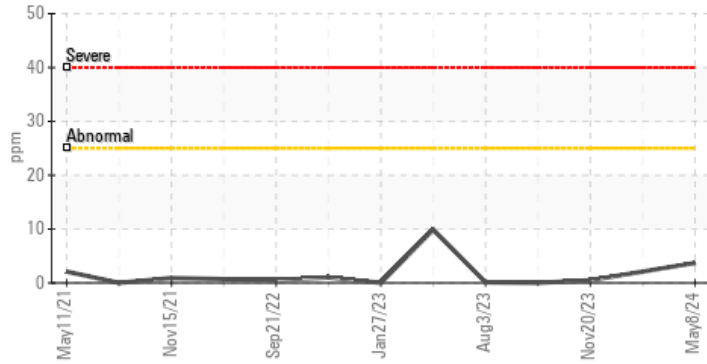
Iron (ppm)



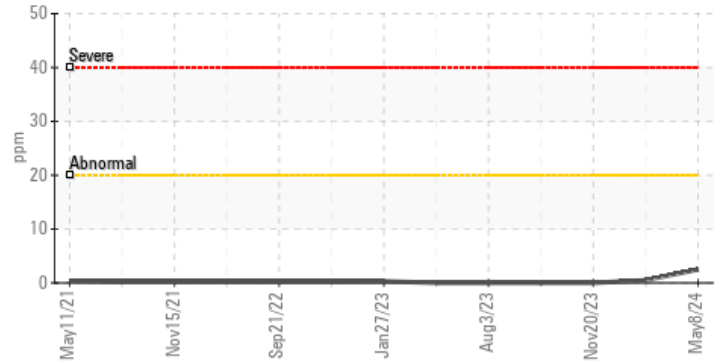
Lead (ppm)



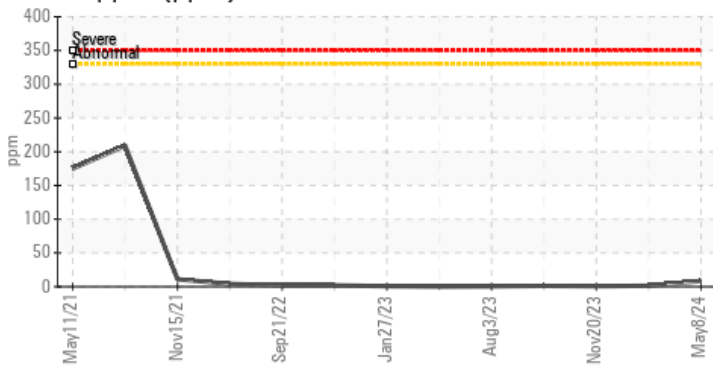
Aluminum (ppm)



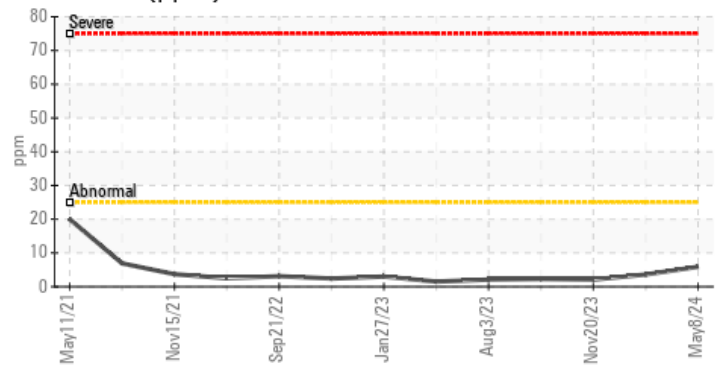
Chromium (ppm)



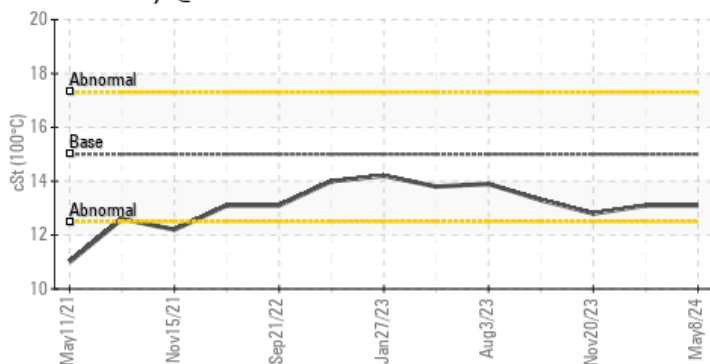
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

