



CONSTRUCTION EQUIPMENT

21 VOLVO L90H 25852 - DIESEL ENGINE



Sample No: VCP439922
Oil Type: MOBIL DELVAC 1300 SUPER15W40
Job No: 21



SAMPLE INFORMATION

Sample Number	VCP439922	VCP439925	VCP430478	VCP452145
Sample Date	10 May 2024	01 Apr 2024	01 Mar 2024	26 Jan 2024
Machine Hours	13887	13403	12964	12488
Oil Hours	410	410	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

PLEASANT RIVER LUMBER

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 DOVER FOXCROFT, ME
 US 04426
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 burley@pleasantriverlumber.com
 T:
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OIL CONDITION

Visc @ 100°C	cSt	13.2	13.3	13.3	13.4
Base Number (BN)	mg KOH/g	9.5	9.7	9.6	9.2
Oxidation (PA)	%	56	55	56	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 %	%	0.3	0.3	0.3	0.4
Nitration (PA)	%	58	57	55	62
Sulfation (PA)	%	50	50	51	52
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	3	2	3
Sodium	ppm	<1	1	0	<1
Potassium	ppm	0	<1	1	0



WEAR METALS

Iron	ppm	5	6	6	6
Copper	ppm	0	0	0	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	2	4
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	68	68	72	67
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1184	1180	1224	1044
Magnesium	ppm	1031	1029	1120	920
Zinc	ppm	1367	1341	1362	1231
Phosphorus	ppm	1084	1096	1138	1043
Barium	ppm	<1	<1	0	0
Boron	ppm	4	4	3	4

Depot: PLEDOV
Unique No: 11112867
Signed: Jonathan Hester
Report Date: 09 Jul 2024

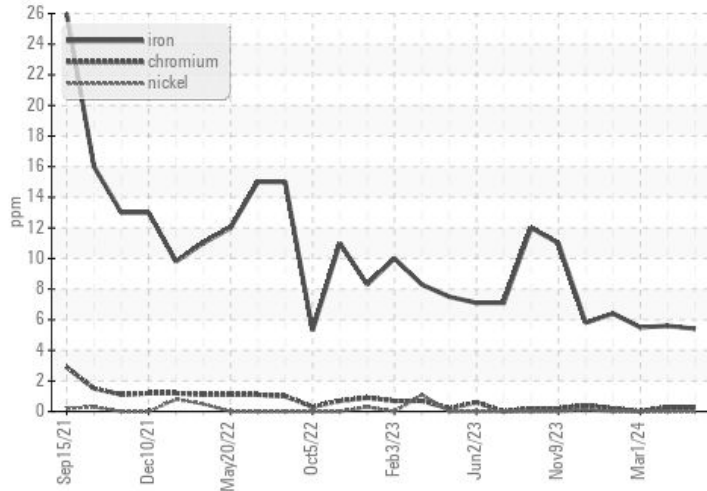


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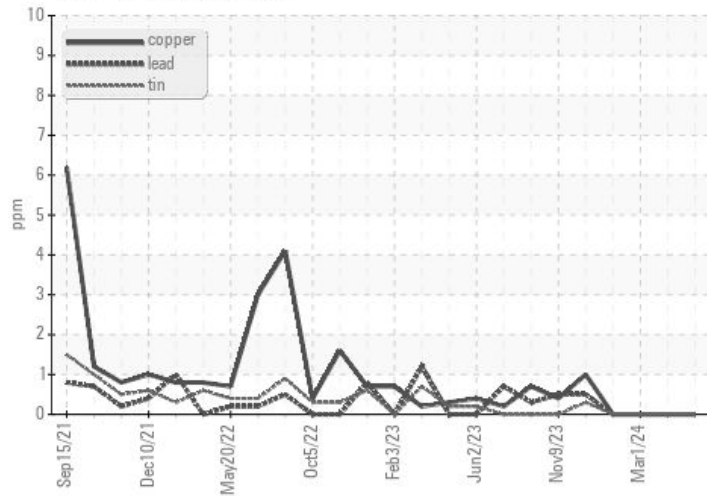


GRAPHS

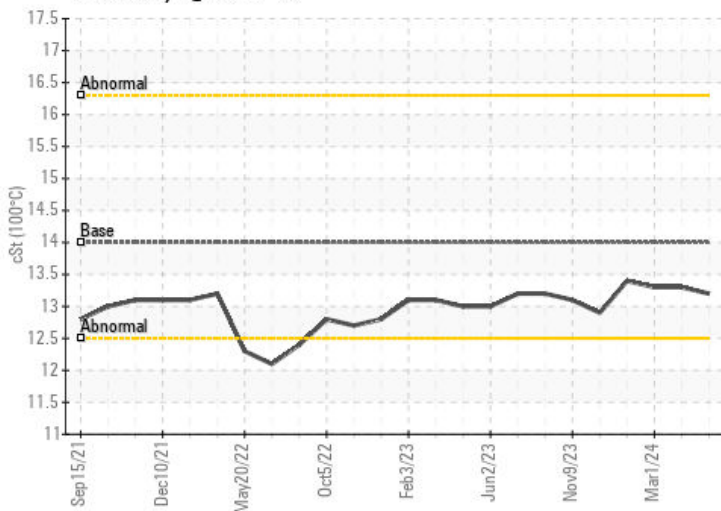
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

