



CONSTRUCTION EQUIPMENT

21 VOLVO L90H 25852 - DIESEL ENGINE



Sample No: VCP439925
Oil Type: MOBIL DELVAC 1300 SUPER15W40
Job No: 21



SAMPLE INFORMATION

Sample Number	VCP439925	VCP430478	VCP452145	VCP430541
Sample Date	01 Apr 2024	01 Mar 2024	26 Jan 2024	12 Dec 2023
Machine Hours	13403	12964	12488	11840
Oil Hours	410	500	500	400
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

PLEASANT RIVER LUMBER

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

Visc @ 100°C	cSt	13.3	13.3	13.4	12.9
Base Number (BN)	mg KOH/g	9.7	9.6	9.2	9.3
Oxidation (PA)	%	55	56	58	55

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	0.4	0.4
Nitration (PA)	%	57	55	62	55
Sulfation (PA)	%	50	51	52	52
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	2	3	3
Sodium	ppm	1	0	<1	1
Potassium	ppm	<1	1	0	<1



WEAR METALS

Iron	ppm	6	6	6	6
Copper	ppm	0	0	0	1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	2	4	3
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	68	72	67	67
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1180	1224	1044	1041
Magnesium	ppm	1029	1120	920	954
Zinc	ppm	1341	1362	1231	1273
Phosphorus	ppm	1096	1138	1043	1046
Barium	ppm	<1	0	0	0
Boron	ppm	4	3	4	6

Depot: PLEDOV
Unique No: 11112869
Signed: Jonathan Hester
Report Date: 09 Jul 2024

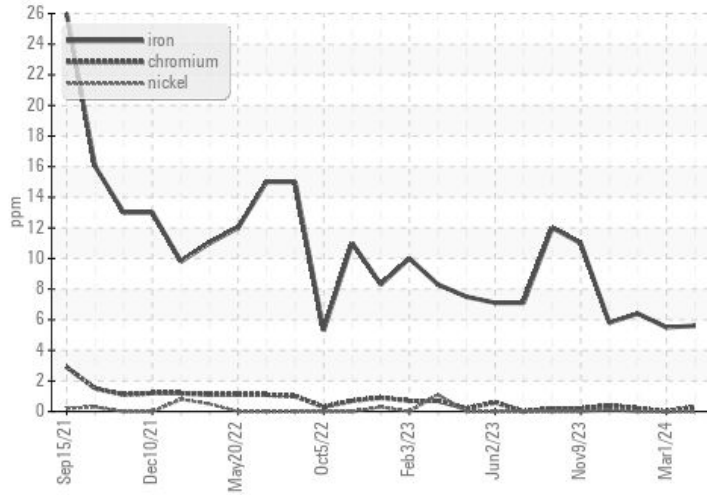


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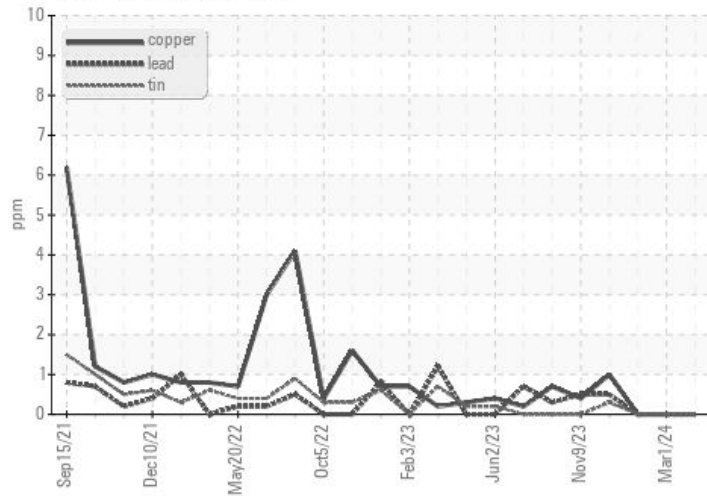


GRAPHS

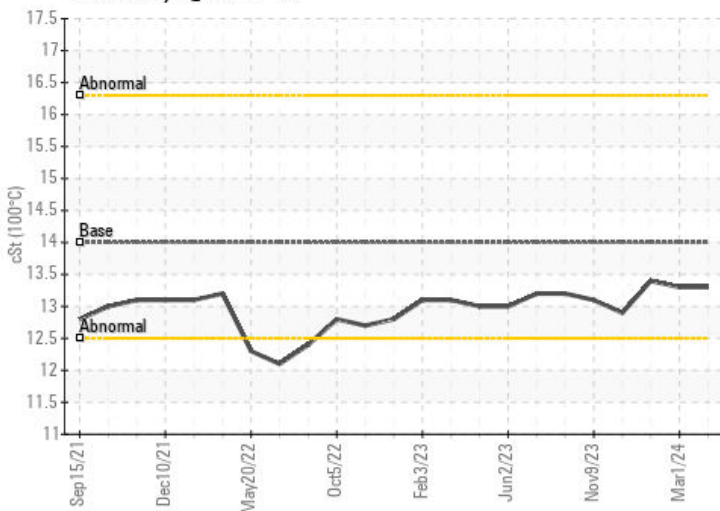
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

