



CONSTRUCTION EQUIPMENT

18 VOLVO L90H 25606 - DIESEL ENGINE



Sample No: VCP439927
Oil Type: MOBIL DELVAC 1300 SUPER15W40
Job No: 18



SAMPLE INFORMATION

Sample Number	VCP439927	VCP430477	VCP452148	VCP313380
Sample Date	15 May 2024	19 Mar 2024	02 Feb 2024	04 Dec 2023
Machine Hours	15398	14913	14443	14005
Oil Hours	500	500	500	800
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	13.1	13.2	13.3	13.2
Base Number (BN)	mg KOH/g	9.2	9.2	8.9	8.5
Oxidation (PA)	%	58	60	60	65

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	0.2	0.2	0.3
Nitration (PA)	%	64	62	61	72
Sulfation (PA)	%	51	52	52	54
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	2	3	4
Sodium	ppm	1	0	<1	0
Potassium	ppm	<1	<1	0	0



WEAR METALS

Iron	ppm	6	4	4	5
Copper	ppm	0	2	0	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	<1	2	2
Chromium	ppm	<1	0	<1	0
Molybdenum	ppm	68	73	67	59
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1190	1247	1071	1187
Magnesium	ppm	1039	1101	974	1069
Zinc	ppm	1371	1366	1278	1271
Phosphorus	ppm	1103	1140	1091	1183
Barium	ppm	1	<1	0	0
Boron	ppm	4	6	5	0

Depot: PLEDOV
Unique No: 11112865
Signed: Jonathan Hester
Report Date: 09 Jul 2024

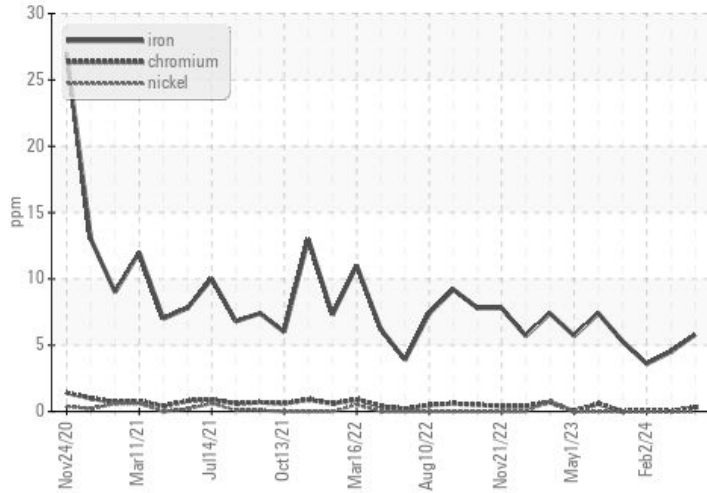


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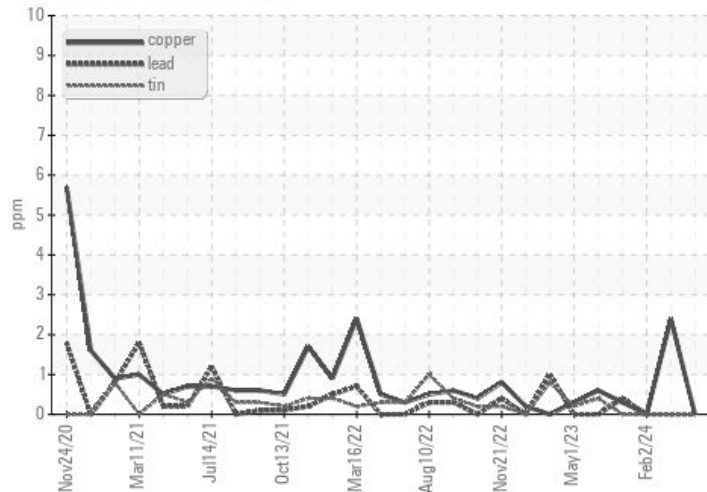


GRAPHS

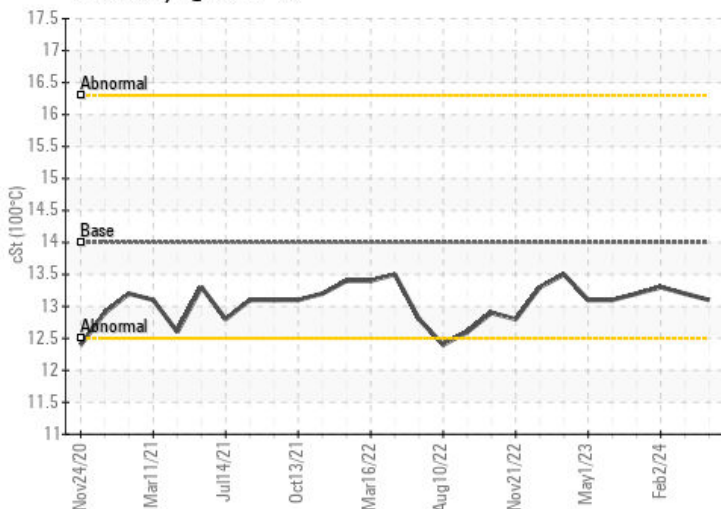
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

