



CONSTRUCTION EQUIPMENT

19 VOLVO L90H 25607 - DIESEL ENGINE



Sample No: VCP439924
Oil Type: MOBIL DELVAC 1300 SUPER15W40
Job No: 19



SAMPLE INFORMATION

Sample Number	VCP439924	VCP430479	VCP313379	VCP406788
Sample Date	29 Mar 2024	21 Feb 2024	13 Nov 2023	13 Sep 2023
Machine Hours	14434	13997	13017	12489
Oil Hours	400	500	600	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

PLEASANT RIVER LUMBER

PO BOX 68
 DOVER FOXCROFT, ME
 US 04426
 Contact: BURLEY HIGGINS
 burley@pleasantriverlumber.com
 T:
 F: (207)564-8259



OIL CONDITION

Visc @ 100°C	cSt	13.3	13.5	13.6	13.6
Base Number (BN)	mg KOH/g	9.1	8.7	8.9	9.3
Oxidation (PA)	%	62	65	67	67

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	0.4	0.4
Nitration (PA)	%	71	72	75	75
Sulfation (PA)	%	52	53	55	55
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	3	4	4
Sodium	ppm	1	0	0	0
Potassium	ppm	<1	1	<1	0



WEAR METALS

Iron	ppm	6	6	5	4
Copper	ppm	0	0	<1	<1
Lead	ppm	0	0	1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	1	2	2
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	69	76	61	60
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1209	1263	1222	1210
Magnesium	ppm	1059	1148	1098	1096
Zinc	ppm	1369	1383	1321	1292
Phosphorus	ppm	1110	1125	1208	1189
Barium	ppm	3	2	0	0
Boron	ppm	4	4	0	0

Depot: PLEDOV
Unique No: 11112870
Signed: Jonathan Hester
Report Date: 09 Jul 2024

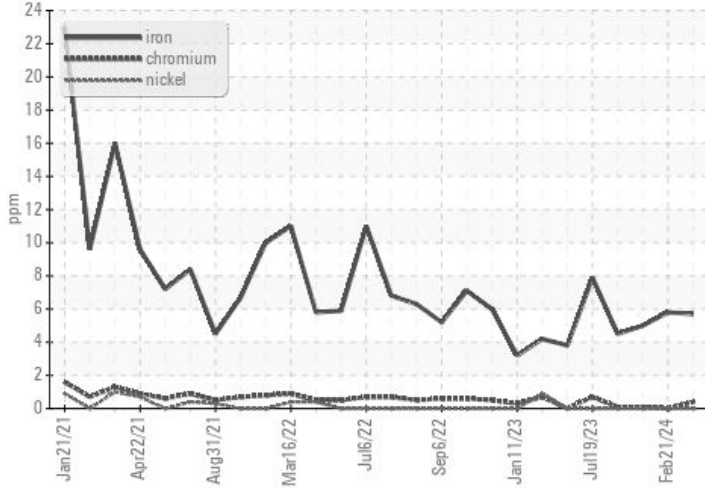


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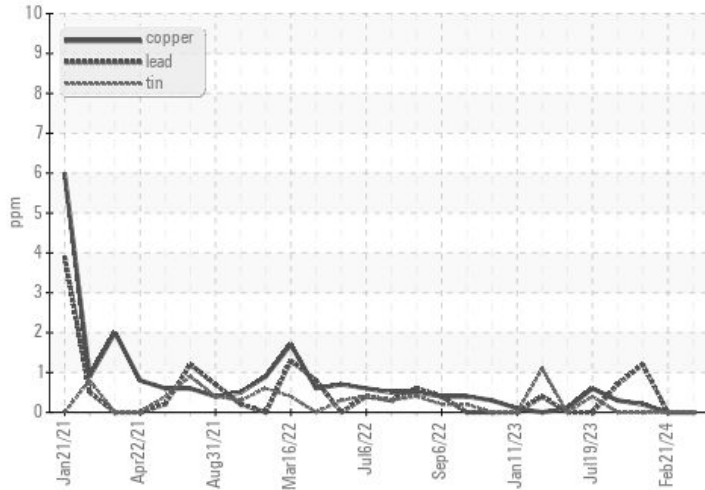


GRAPHS

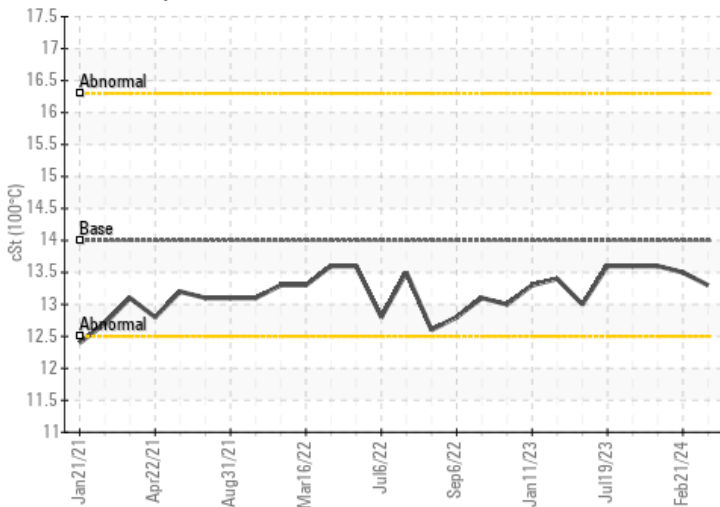
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

