



CONSTRUCTION EQUIPMENT

1 KAWASAKI 85C5-5251 - DIESEL ENGINE



Sample No: VCP452202
Oil Type: MOBIL DELVAC 1300 SUPER15W40
Job No: 1



SAMPLE INFORMATION

Sample Number	VCP452202	VCP430548	VCP276676	VCE214203
Sample Date	20 May 2024	14 Dec 2023	21 Jan 2021	29 May 2020
Machine Hours	21357	20893	19997	19346
Oil Hours	500	400	400	400
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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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	12.9	12.7	14.2	12.9
Base Number (BN)	mg KOH/g	9.3	8.1	---	---
Oxidation (PA)	%	57	42	67	61

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 %	%	0.8	0.3	1.9	1
Nitration (PA)	%	64	50	80	72
Sulfation (PA)	%	54	47	66	59
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	3	4	4
Sodium	ppm	1	1	3	9
Potassium	ppm	0	1	0	<1



WEAR METALS

Iron	ppm	13	5	25	20
Copper	ppm	<1	2	4	2
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	1	2	3	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	65	27	58	62
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	<1	1
Silver	ppm	<1	<1	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1212	1597	1075	1109
Magnesium	ppm	957	412	930	893
Zinc	ppm	1293	1102	1149	1173
Phosphorus	ppm	1056	931	919	1020
Barium	ppm	<1	0	0	0
Boron	ppm	6	12	6	12

Depot: PLEDOV
Unique No: 11112868
Signed: Jonathan Hester
Report Date: 09 Jul 2024

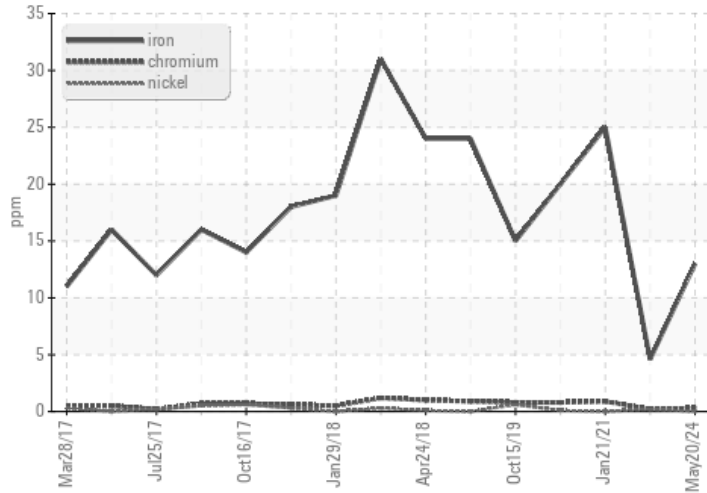


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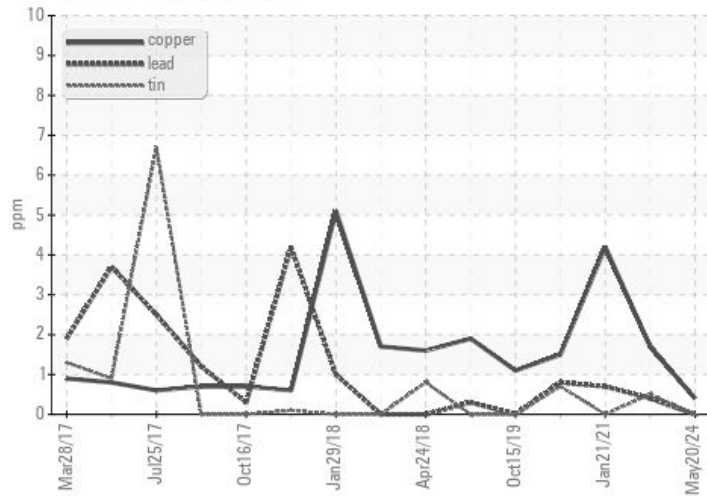


GRAPHS

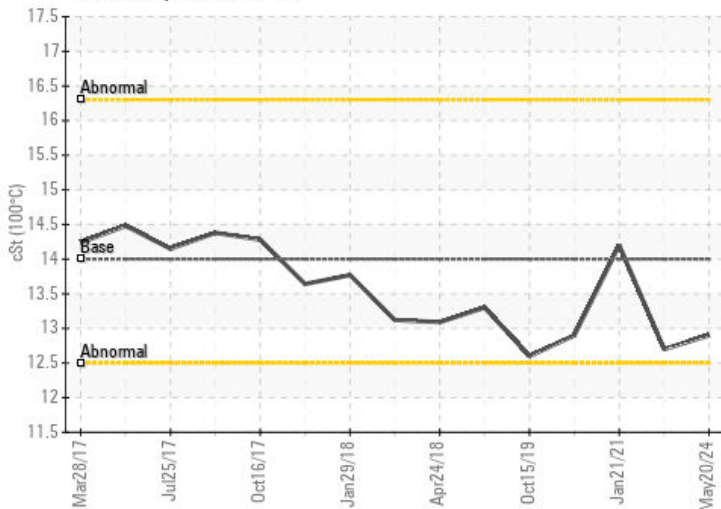
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

