



CONSTRUCTION EQUIPMENT

TUCKER PAVING VOLVO A25G 740257 - DROP BOX



Sample No: VCP438565
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: TUCKER PAVING



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: KENNY HANEY
 khaney@flaglerce.com
 T: (813)630-0077
 F: (813)630-2233



SAMPLE INFORMATION

Sample Number	VCP438565	VCP454187	VCP393559	VCP324611
Sample Date	08 Jul 2024	08 Jan 2024	30 Nov 2022	25 Jun 2021
Machine Hours	10131	9175	8249	6077
Oil Hours	0	1000	4000	2000
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	ABNORMAL	NORMAL	ABNORMAL	ABNORMAL



OIL CONDITION

Visc @ 40°C	cSt	226	276	51.1	53.5
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	30	11	28	46
Sodium	ppm	0	0	5	4
Potassium	ppm	2	1	<1	2



WEAR METALS

Iron	ppm	356	124	991	836
Copper	ppm	37	2	6	8
Lead	ppm	0	0	<1	<1
Tin	ppm	2	0	<1	<1
Aluminum	ppm	3	2	8	2
Chromium	ppm	2	1	11	10
Molybdenum	ppm	17	1	1	1
Nickel	ppm	1	0	2	2
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	2	1	10	8
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	466	42	75	33
Magnesium	ppm	70	5	6	5
Zinc	ppm	266	30	324	255
Phosphorus	ppm	996	1113	2160	2139
Barium	ppm	<1	10	0	0
Boron	ppm	156	149	132	164

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0093
Unique No: 11124068
Signed: Sean Felton
Report Date: 15 Jul 2024

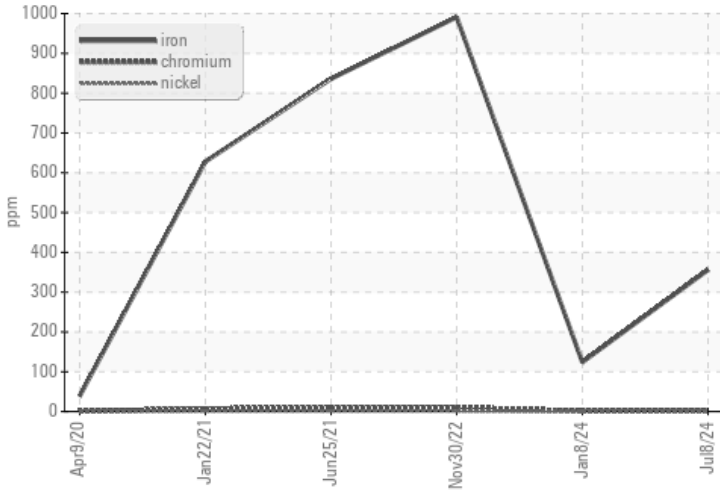


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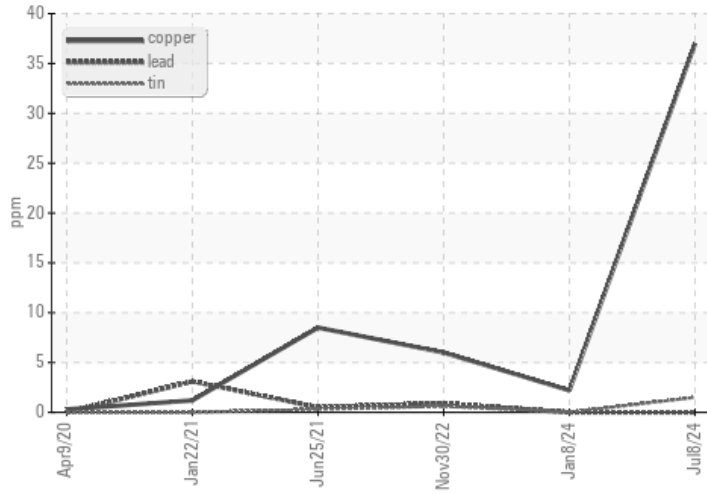


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

