



CONSTRUCTION EQUIPMENT

TUCKER PAVING VOLVO A25G 740257 - BOGIE/CENTER AXLE



Sample No: VCP439868
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: TUCKER PAVING



SAMPLE INFORMATION

Sample Number	VCP439868	VCP452339	VCP386622	VCP321530
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	NORMAL	NORMAL	NORMAL	SEVERE

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



OIL CONDITION

Visc @ 40°C	cSt	232	243	284	311
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	33	23	3	▲ 440
Sodium	ppm	0	<1	2	1
Potassium	ppm	2	2	<1	1

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	402	176	7	▲ 1483
Copper	ppm	39	28	5	▲ 466
Lead	ppm	0	0	1	<1
Tin	ppm	2	1	<1	▲ 22
Aluminum	ppm	3	<1	0	● 14
Chromium	ppm	2	1	<1	18
Molybdenum	ppm	18	17	56	4
Nickel	ppm	2	1	<1	12
Titanium	ppm	<1	0	<1	2
Silver	ppm	1	0	<1	0
Manganese	ppm	2	1	<1	14
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	348	266	984	124
Magnesium	ppm	77	74	859	11
Zinc	ppm	240	193	1096	42
Phosphorus	ppm	1041	972	943	938
Barium	ppm	<1	0	0	0
Boron	ppm	166	145	7	204

Depot: VOLVO0093
Unique No: 11124064
Signed: Wes Davis
Report Date: 15 Jul 2024

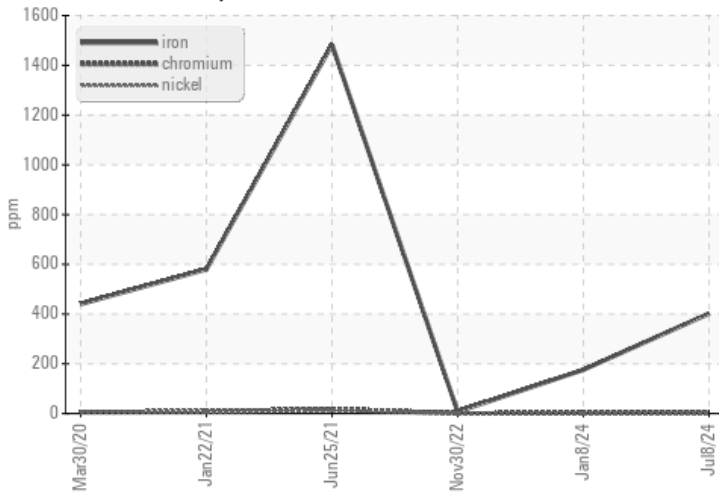


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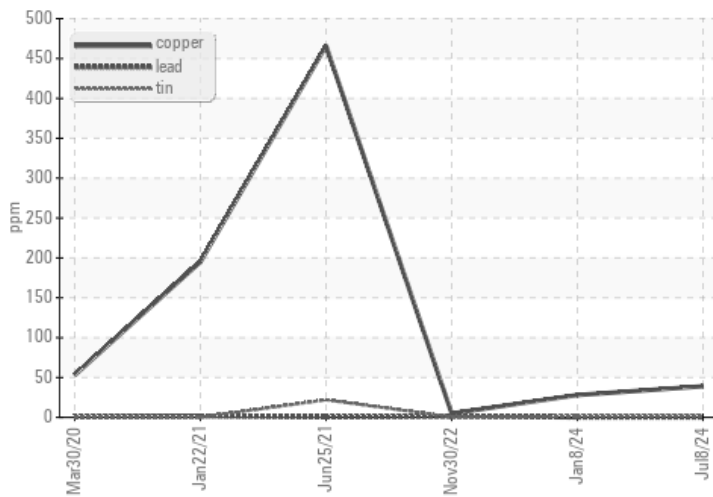


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

