



CONSTRUCTION EQUIPMENT

687813 VOLVO A30G 752847 - DROP BOX



Sample No: VCP437909
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 687813



SAMPLE INFORMATION

Sample Number	VCP437909	VCP392509	VCP384940	---
Sample Date	16 Mar 2024	15 Mar 2023	15 Nov 2022	---
Machine Hours	3292	1063	484	---
Oil Hours	3292	1063	500	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	ABNORMAL	ATTENTION	NORMAL	---

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	45.5	47.4	87.5	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	21	14	4	---
Sodium	ppm	4	5	<1	---
Potassium	ppm	2	3	3	---

Diagnosis
 No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The oil viscosity is lower than normal. Confirm oil type.



WEAR METALS

Iron	ppm	69	54	250	---
Copper	ppm	1	1	19	---
Lead	ppm	0	0	<1	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	18	10	<1	---
Chromium	ppm	<1	<1	6	---
Molybdenum	ppm	4	7	9	---
Nickel	ppm	0	0	4	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	2	10	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	89	56	1029	---
Magnesium	ppm	3	7	3	---
Zinc	ppm	61	39	422	---
Phosphorus	ppm	2397	2649	1225	---
Barium	ppm	<1	0	0	---
Boron	ppm	194	218	224	---

Depot: RIPTAM
Unique No: 11018955
Signed: Don Baldrige
Report Date: 10 May 2024

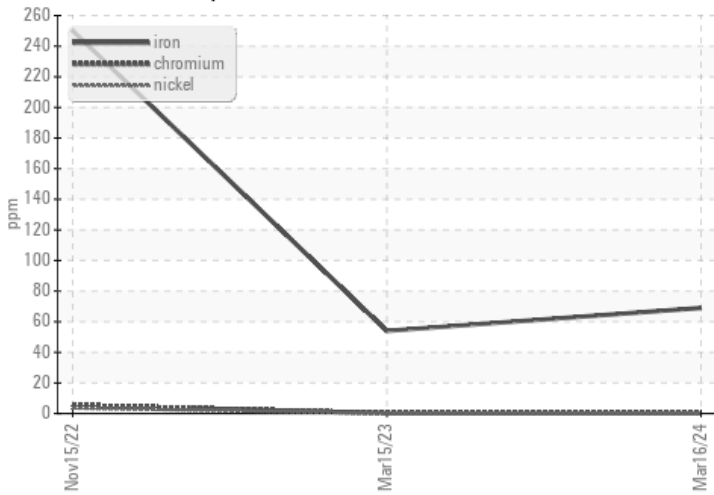


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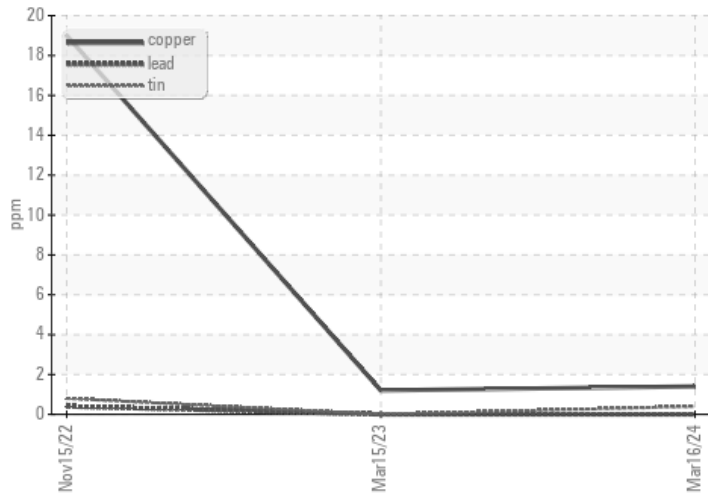


GRAPHS

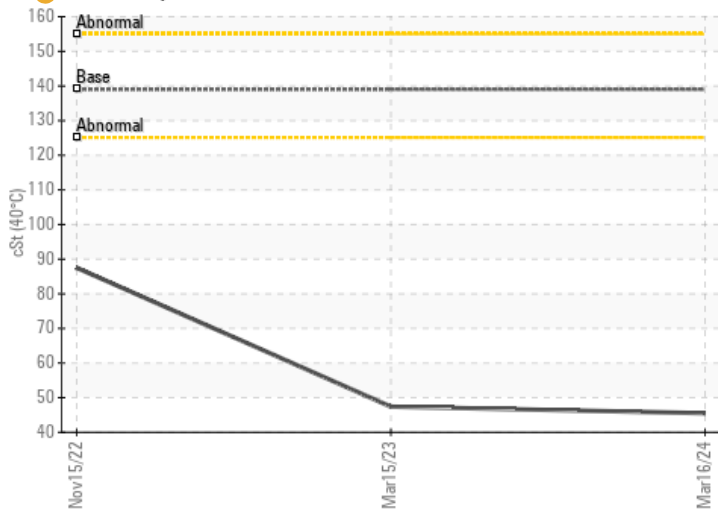
Ferrous Alloys



Non-ferrous Metals



● Viscosity @ 40°C



Acid Number

