



CONSTRUCTION EQUIPMENT

W07013271 VOLVO A45G 352353 - DIESEL ENGINE



Sample No: VCP409399
Oil Type: MOBIL 15W40
Job No: W07013271



SAMPLE INFORMATION

Sample Number	VCP409399	VCP367631	---	---
Sample Date	14 Aug 2023	28 Dec 2022	---	---
Machine Hours	3500	2441	---	---
Oil Hours	500	287	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

McClung-Logan Virginia LLC- RICHMOND
1345 MOUNTAIN ROAD
GLEN ALLEN, VA
US 23060
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T:
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	█ 16.0	---	---
Base Number (BN)	mg KOH/g	█ 5.7	█ 12.2	---	---
Oxidation (PA)	%	88	88	---	---

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

Soot %	%	█ 0.6	█ 0.3	---	---
Nitration (PA)	%	99	78	---	---
Sulfation (PA)	%	67	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 3	---	---
Sodium	ppm	█ 4	█ 3	---	---
Potassium	ppm	█ 2	█ 0	---	---



WEAR METALS

Iron	ppm	█ 19	█ 3	---	---
Copper	ppm	█ 3	█ 1	---	---
Lead	ppm	█ 4	█ 1	---	---
Tin	ppm	█ 1	█ 1	---	---
Aluminum	ppm	█ 2	█ <1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 54	█ 41	---	---
Nickel	ppm	█ 3	█ 2	---	---
Titanium	ppm	<1	█ 0	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 1462	█ 1719	---	---
Magnesium	ppm	█ 732	█ 524	---	---
Zinc	ppm	█ 1001	█ 958	---	---
Phosphorus	ppm	█ 761	█ 770	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 22	█ 52	---	---

Depot: VOLVO8882
Unique No: 10616595
Signed: Wes Davis
Report Date: 23 Aug 2023

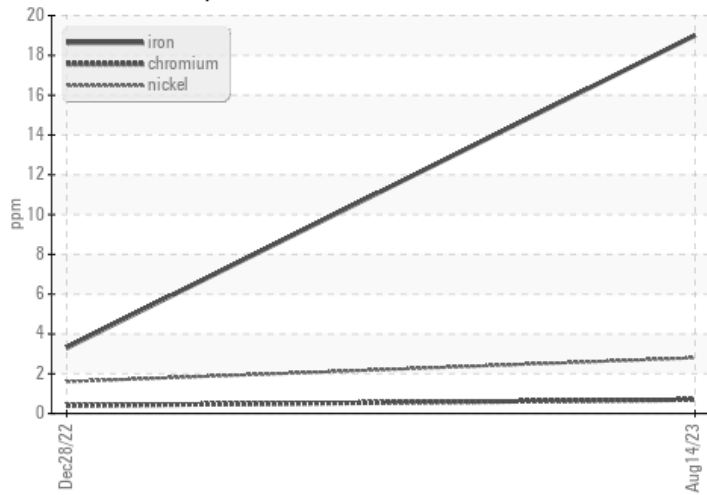


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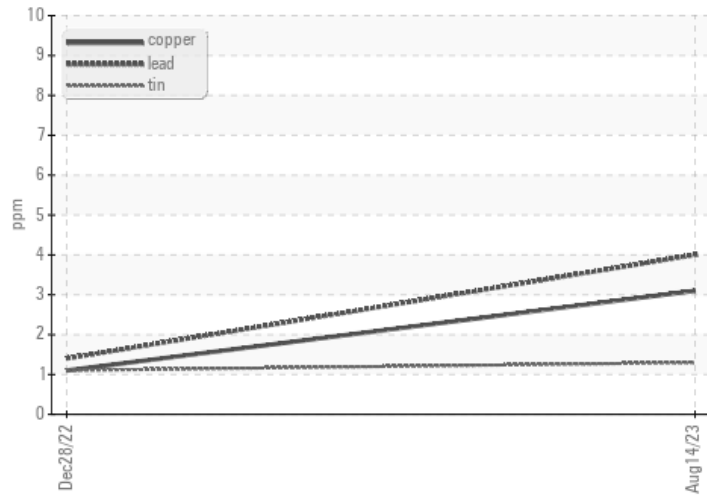


GRAPHS

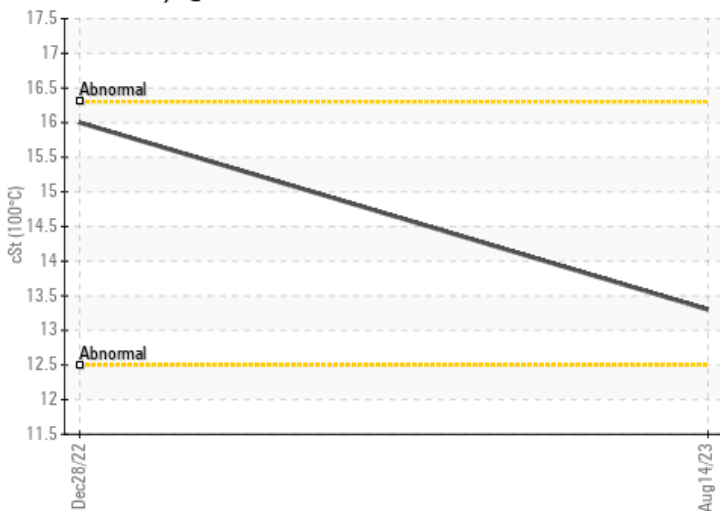
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

