



CONSTRUCTION EQUIPMENT

VOLVO A40G 352004 - DIESEL ENGINE



Sample No: VCP0008449
Oil Type: DIESEL ENGINE OIL SAE 40
Job No:



ALTA EQUIPMENT COMPANY
 8750 PHILIPS HWY
 JACKSONVILLE, FL
 US 32256
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SAMPLE INFORMATION

Sample Number	VCP0008449	VCP253986	---	---
Sample Date	19 Jun 2024	27 Jan 2020	---	---
Machine Hours	1032	1032	---	---
Oil Hours	1032	450	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	13.7	13.5	---	---
Base Number (BN)	mg KOH/g	8.7	---	---	---
Oxidation (PA)	%	51	55	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	35	49	---	---
Sulfation (PA)	%	51	51	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	4	---	---
Sodium	ppm	6	3	---	---
Potassium	ppm	2	2	---	---



WEAR METALS

Iron	ppm	7	7	---	---
Copper	ppm	2	101	---	---
Lead	ppm	0	4	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	5	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	81	53	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	2	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1391	1088	---	---
Magnesium	ppm	425	862	---	---
Zinc	ppm	1227	1056	---	---
Phosphorus	ppm	1025	834	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	400	11	---	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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.

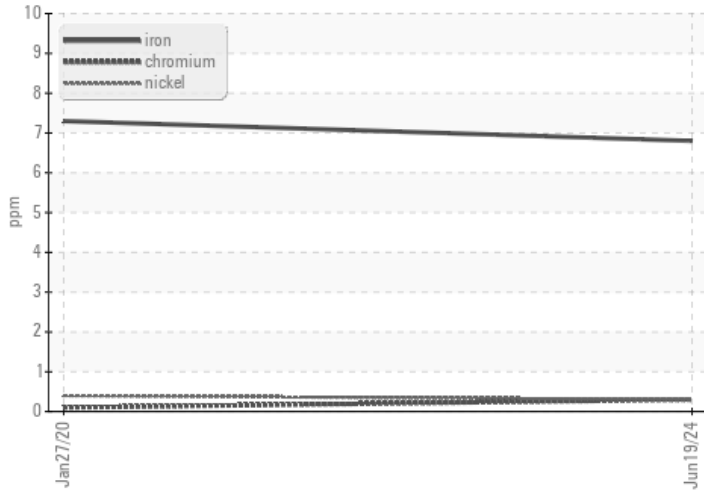


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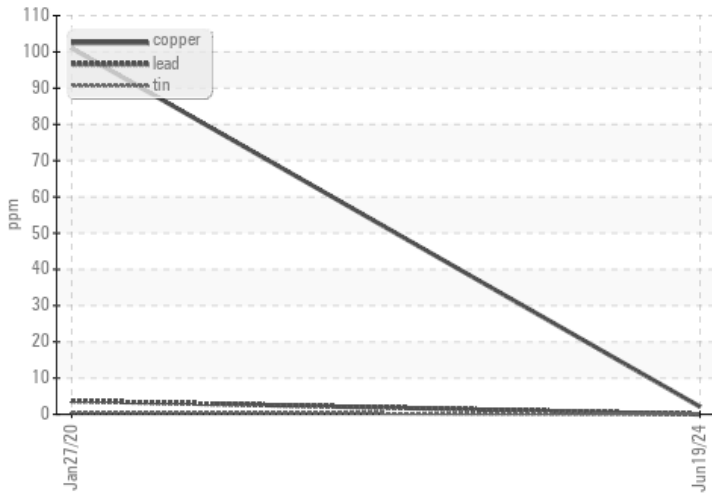


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

