



CONSTRUCTION EQUIPMENT

VOLVO A45G 352367 - A45G - DIESEL ENGINE



Sample No: VCP412662
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP412662	VCP356991	VCP348875	---
Sample Date	05 Jul 2023	06 Apr 2022	24 Jan 2022	---
Machine Hours	4852	2561	2161	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	SEVERE	---

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
 Contact: TODD LARK
 tlark@altaequipfl.com
 T:
 F: (239)481-3302



OIL CONDITION

Visc @ 100°C	cSt	13.1	12.8	▲ 11.2	---
Base Number (BN)	mg KOH/g	7.0	10.8	11.2	---
Oxidation (PA)	%	88	86	82	---

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 %	%	0.8	0.3	0.3	---
Nitration (PA)	%	96	67	62	---
Sulfation (PA)	%	68	67	65	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	0.2	---
Silicon	ppm	5	4	88	---
Sodium	ppm	0	3	0	---
Potassium	ppm	1	<1	0	---



WEAR METALS

Iron	ppm	22	8	88	---
Copper	ppm	4	10	27	---
Lead	ppm	5	1	<1	---
Tin	ppm	2	1	<1	---
Aluminum	ppm	3	2	▲ 66	---
Chromium	ppm	1	<1	<1	---
Molybdenum	ppm	47	44	36	---
Nickel	ppm	2	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1581	1919	1716	---
Magnesium	ppm	561	581	459	---
Zinc	ppm	1131	1319	887	---
Phosphorus	ppm	911	1070	711	---
Barium	ppm	0	0	0	---
Boron	ppm	10	46	43	---

Depot: VOLVO0090
Unique No: 10551292
Signed: Angela Borella
Report Date: 13 Jul 2023

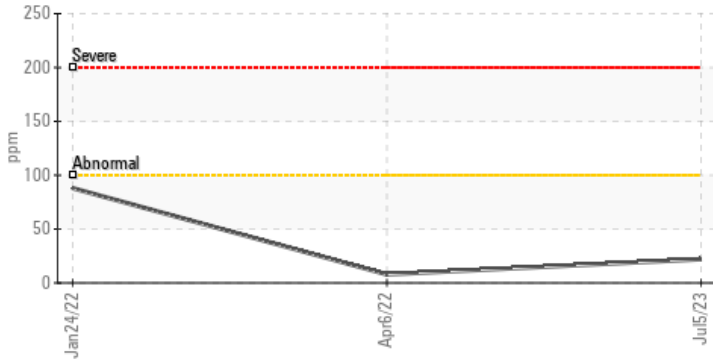


CONSTRUCTION EQUIPMENT

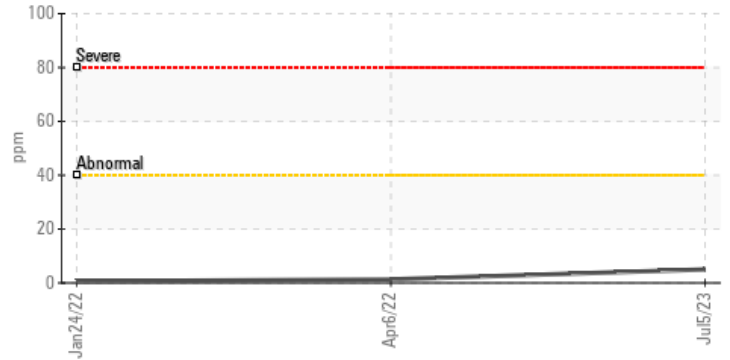


GRAPHS

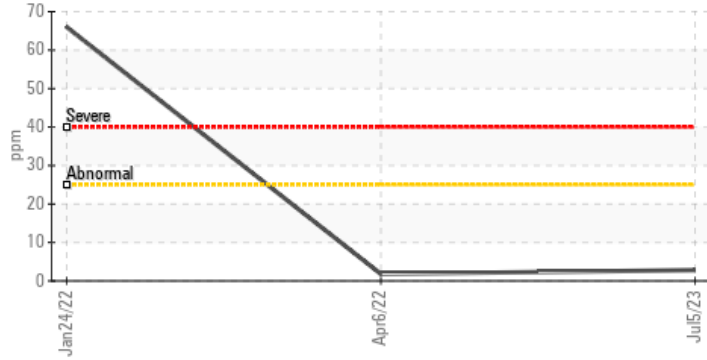
Iron (ppm)



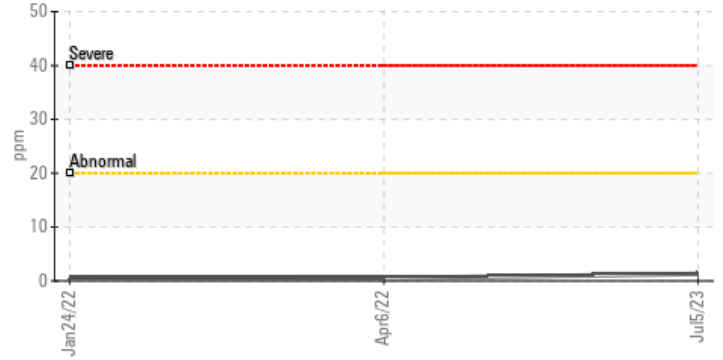
Lead (ppm)



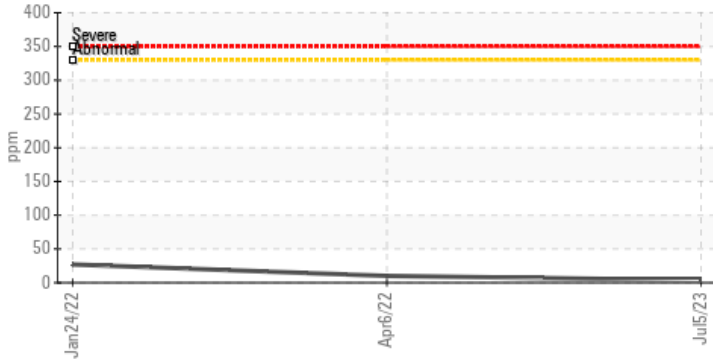
Aluminum (ppm)



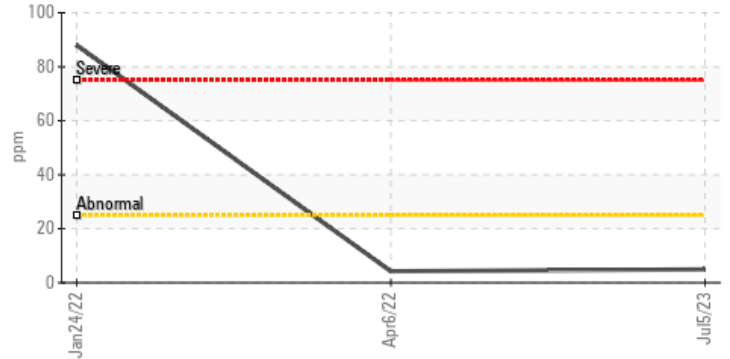
Chromium (ppm)



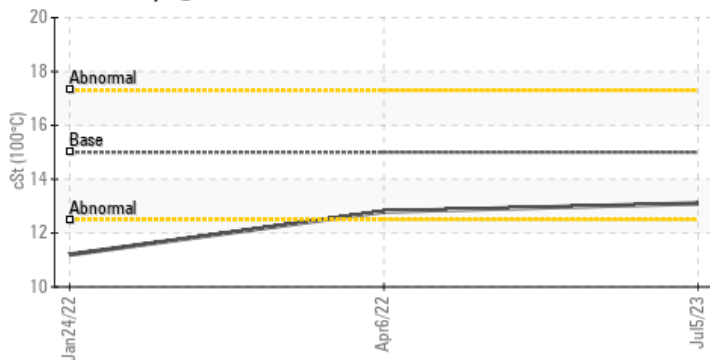
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

