



CONSTRUCTION EQUIPMENT

VOLVO L60H 622661 - DIESEL ENGINE



Sample No: VCP454362
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



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



SAMPLE INFORMATION

Sample Number	VCP454362	VCP395872	---	---
Sample Date	03 May 2024	27 Nov 2023	---	---
Machine Hours	3245	2500	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	12.7	13.0	---	---
Base Number (BN)	mg KOH/g	9.5	8.8	---	---
Oxidation (PA)	%	73	83	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.4	0.6	---	---
Nitration (PA)	%	69	79	---	---
Sulfation (PA)	%	58	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	7	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	2	0	---	---



WEAR METALS

Iron	ppm	85	▲ 113	---	---
Copper	ppm	2	3	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	1	2	---	---
Aluminum	ppm	6	7	---	---
Chromium	ppm	2	2	---	---
Molybdenum	ppm	45	44	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	2	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	1633	1684	---	---
Magnesium	ppm	483	526	---	---
Zinc	ppm	1068	1059	---	---
Phosphorus	ppm	901	937	---	---
Barium	ppm	0	0	---	---
Boron	ppm	24	15	---	---

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.

Depot: VOLVO0090
Unique No: 11015850
Signed: Wes Davis
Report Date: 07 May 2024

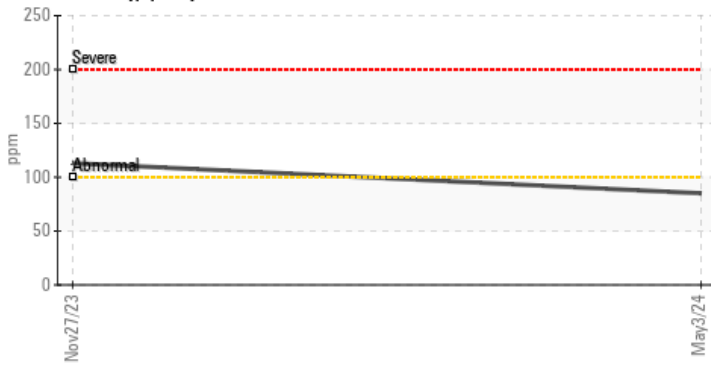


CONSTRUCTION EQUIPMENT



GRAPHS

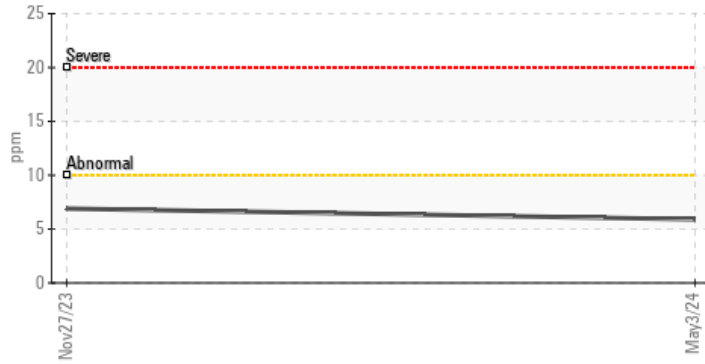
Iron (ppm)



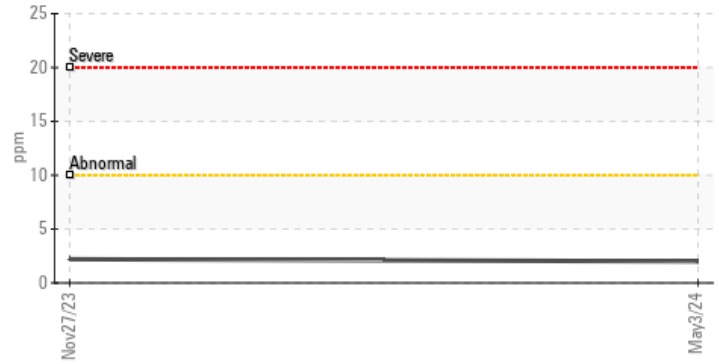
Lead (ppm)



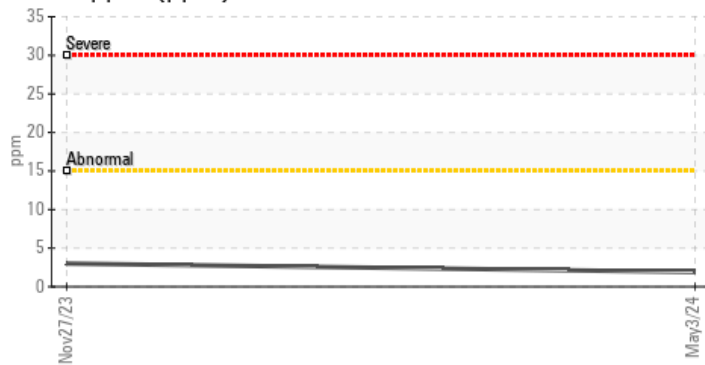
Aluminum (ppm)



Chromium (ppm)



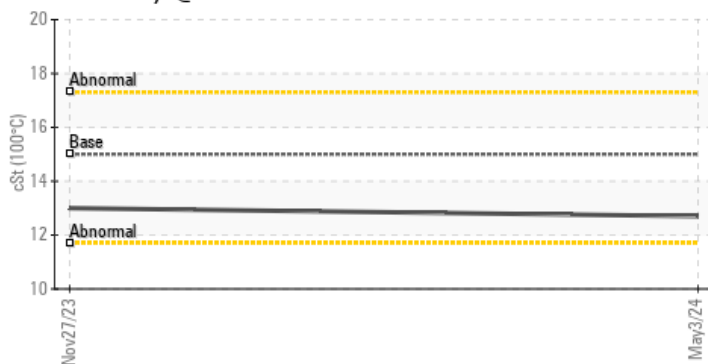
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

