



CONSTRUCTION EQUIPMENT

SWA565009-10 VOLVO L150H 7023 - DIESEL ENGINE



Sample No: VCP430309
Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40
Job No: SWA565009-10



SAMPLE INFORMATION

Sample Number	VCP430309	VCP336134	---	---
Sample Date	03 Jun 2024	27 Dec 2021	---	---
Machine Hours	3138	350	---	---
Oil Hours	500	350	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ATTENTION	---	---

DENALI WE CARE
 400 TORNE RD
 HILLBURN, NY
 US 10931
 Contact: Service Manager

OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	● 11.1	---	---
Base Number (BN)	mg KOH/g	█ 10.1	█ 7.8	---	---
Oxidation (PA)	%	79	62	---	---

T:
F:

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

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	53	73	---	---
Sulfation (PA)	%	60	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	█ 0.4	---	---
Silicon	ppm	█ 4	█ 27	---	---
Sodium	ppm	█ 3	█ 2	---	---
Potassium	ppm	█ <1	█ 3	---	---

WEAR METALS

Iron	ppm	█ 4	█ 8	---	---
Copper	ppm	█ <1	█ 6	---	---
Lead	ppm	█ <1	█ 2	---	---
Tin	ppm	█ <1	█ 2	---	---
Aluminum	ppm	█ <1	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 40	█ 82	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	█ 0	0	---	---
Manganese	ppm	█ <1	█ 2	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	█ 1732	█ 2086	---	---
Magnesium	ppm	█ 532	█ 46	---	---
Zinc	ppm	█ 1130	█ 1161	---	---
Phosphorus	ppm	█ 995	█ 934	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 54	█ 71	---	---

Depot: DENHIL
Unique No: 11071688
Signed: Wes Davis
Report Date: 11 Jun 2024



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GRAPHS

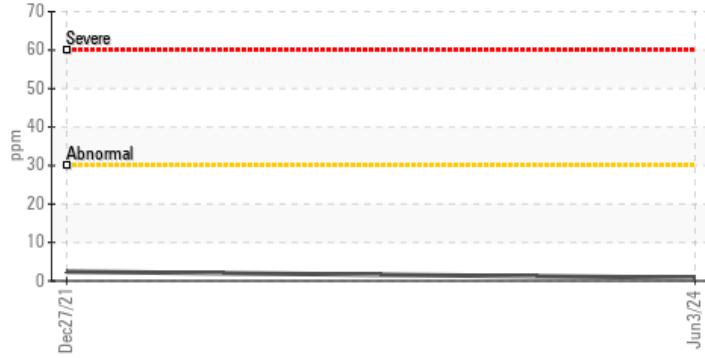
Iron (ppm)



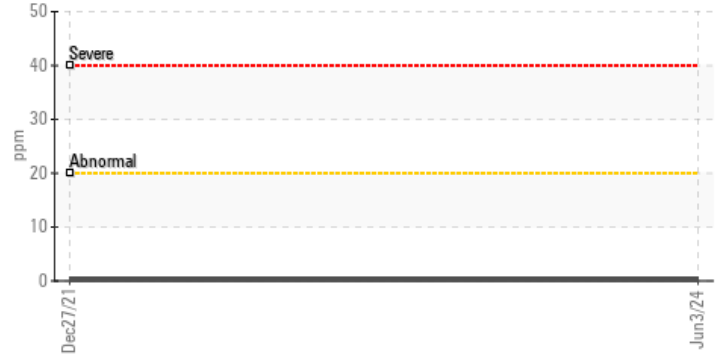
Lead (ppm)



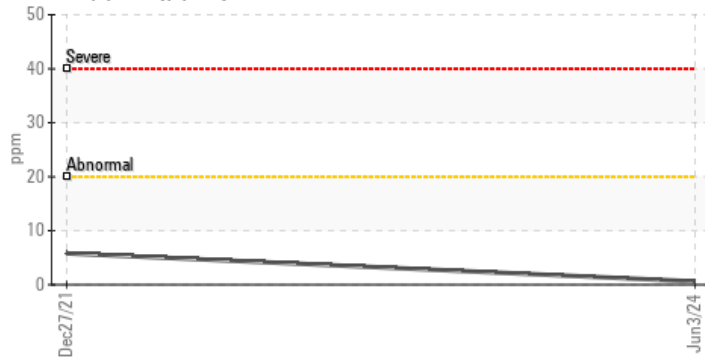
Aluminum (ppm)



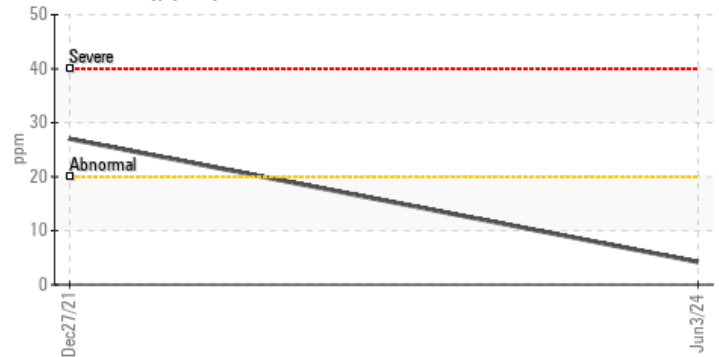
Chromium (ppm)



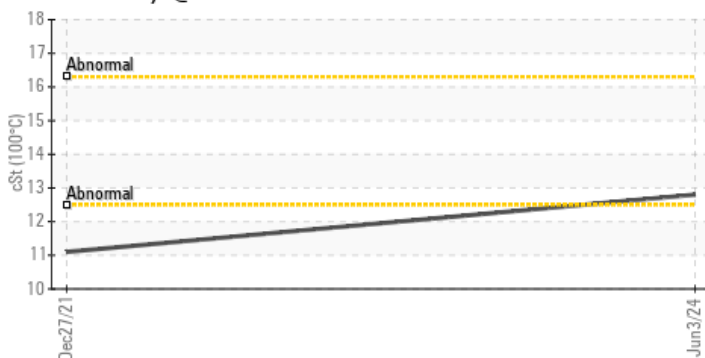
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

