



CONSTRUCTION EQUIPMENT

X14059 IAA VOLVO L90H 627142 - DIESEL ENGINE



Sample No: VCP399012
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X14059 IAA



SAMPLE INFORMATION

Sample Number	VCP399012	VCP400320	---	---
Sample Date	12 Apr 2024	22 Dec 2023	---	---
Machine Hours	1001	535	---	---
Oil Hours	500	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.8	12.5	---	---
Base Number (BN)	mg KOH/g	10.7	10.1	---	---
Oxidation (PA)	%	82	76	---	---

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 %	%	0.2	0.2	---	---
Nitration (PA)	%	57	58	---	---
Sulfation (PA)	%	62	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	20	---	---
Sodium	ppm	3	4	---	---
Potassium	ppm	1	1	---	---



WEAR METALS

Iron	ppm	10	22	---	---
Copper	ppm	2	8	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	3	---	---
Aluminum	ppm	2	5	---	---
Chromium	ppm	<1	2	---	---
Molybdenum	ppm	39	38	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	4	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1654	1653	---	---
Magnesium	ppm	480	603	---	---
Zinc	ppm	1028	1189	---	---
Phosphorus	ppm	887	989	---	---
Barium	ppm	<1	4	---	---
Boron	ppm	38	38	---	---

Depot: VOLVO6241
Unique No: 10981656
Signed: Wes Davis
Report Date: 19 Apr 2024

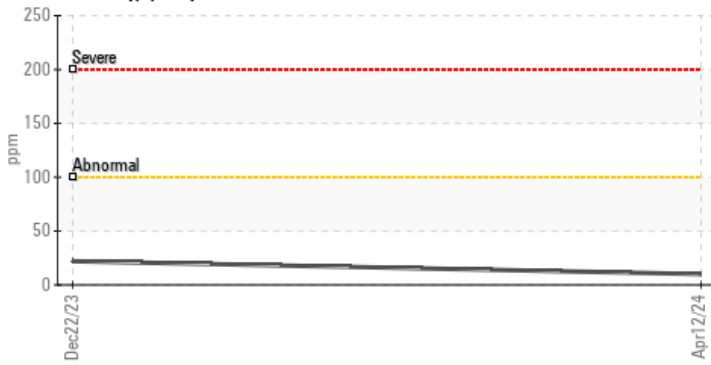


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GRAPHS

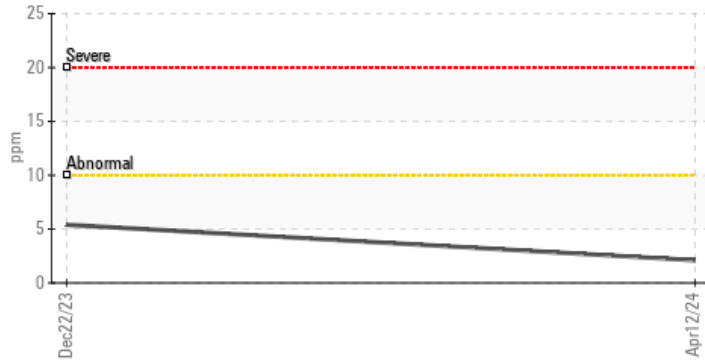
Iron (ppm)



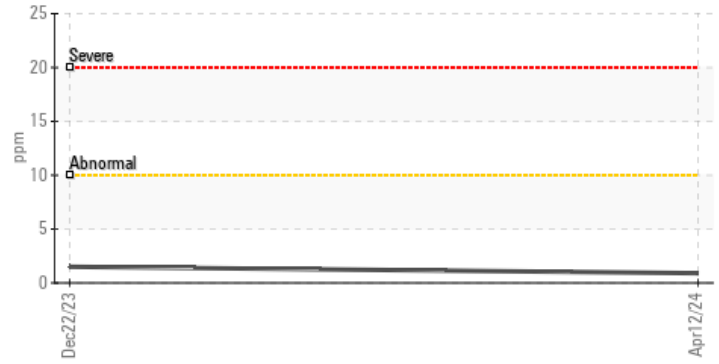
Lead (ppm)



Aluminum (ppm)



Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

