



CONSTRUCTION EQUIPMENT

24907 VOLVO L120 633393 - DIESEL ENGINE



Sample No: VCP443295
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 24907



218 - ASCENDUM MACHINERY INC - N. CHARLESTON
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SAMPLE INFORMATION

Sample Number	VCP443295	---	---	---
Sample Date	31 Jan 2024	---	---	---
Machine Hours	603	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 12.4	---	---	---
Base Number (BN)	mg KOH/g	█ 9.5	---	---	---
Oxidation (PA)	%	73	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	56	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.9	---	---	---
Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 29	---	---	---
Copper	ppm	█ 14	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 59	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 38	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1534	---	---	---
Magnesium	ppm	█ 613	---	---	---
Zinc	ppm	█ 1140	---	---	---
Phosphorus	ppm	█ 987	---	---	---
Barium	ppm	█ 13	---	---	---
Boron	ppm	█ 46	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Fuel content negligible. 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: VOLVO3387
Unique No: 10861608
Signed: Wes Davis
Report Date: 07 Feb 2024



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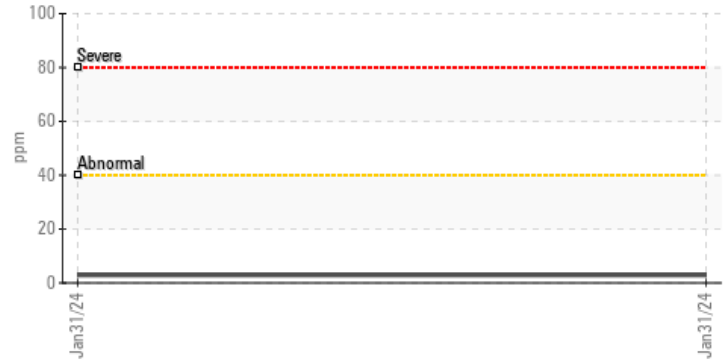


GRAPHS

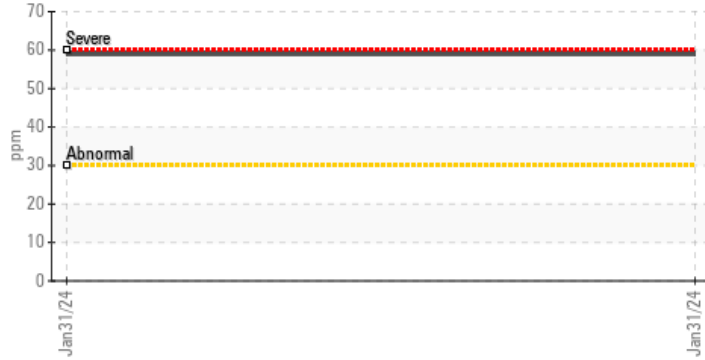
Iron (ppm)



Lead (ppm)



Aluminum (ppm)



Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

