



CONSTRUCTION EQUIPMENT

567794 VOLVO L220H 3204 - DIESEL ENGINE



Sample No: VCP425274
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 567794



SAMPLE INFORMATION

Sample Number	VCP425274	VCP406160	---	---
Sample Date	26 Jun 2023	27 Feb 2022	---	---
Machine Hours	3766	3281	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

FIVE STONES MINE
MORNING STAR FARM RD
CANAL POINT, FL
US 33430
Contact: Service Manager

OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	█ 12.7	---	---
Base Number (BN)	mg KOH/g	█ 9.8	█ 8.9	---	---
Oxidation (PA)	%	82	59	---	---

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

Soot %	%	█ 0.2	█ 0.2	---	---
Nitration (PA)	%	66	64	---	---
Sulfation (PA)	%	63	53	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 6	---	---
Sodium	ppm	█ 4	█ 2	---	---
Potassium	ppm	█ 3	█ 4	---	---

WEAR METALS

Iron	ppm	█ 7	█ 11	---	---
Copper	ppm	█ 12	█ 4	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ <1	█ 3	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 46	█ 60	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1723	█ 1150	---	---
Magnesium	ppm	█ 583	█ 894	---	---
Zinc	ppm	█ 1172	█ 1209	---	---
Phosphorus	ppm	█ 967	█ 1012	---	---
Barium	ppm	█ 0	█ 1	---	---
Boron	ppm	█ 39	█ 0	---	---

Depot: FIVCAN
Unique No: 10536816
Signed: Wes Davis
Report Date: 02 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

