



CONSTRUCTION EQUIPMENT

23898 VOLVO L60H 622169 - DIESEL ENGINE



Sample No: VCP424652
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 23898



218 - ASCENDUM MACHINERY INC - N. CHARLESTON
 7235 CROSS COUNTRY RD.
 NORTH CHARLESTON, SC
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SAMPLE INFORMATION

Sample Number	VCP424652	VCP318866	---	---
Sample Date	06 Sep 2023	07 Sep 2021	---	---
Machine Hours	1954	1411	---	---
Oil Hours	1000	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	█ 12.9	---	---
Base Number (BN)	mg KOH/g	█ 10.6	---	---	---
Oxidation (PA)	%	79	75	---	---



CONTAMINATION

Soot %	%	█ 1.1	█ 0.3	---	---
Nitration (PA)	%	71	57	---	---
Sulfation (PA)	%	63	59	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 19	█ 8	---	---
Sodium	ppm	█ 16	█ 2	---	---
Potassium	ppm	█ 2	█ 0	---	---



WEAR METALS

Iron	ppm	█ 60	█ 23	---	---
Copper	ppm	█ 5	█ 1	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ 2	█ <1	---	---
Aluminum	ppm	█ 18	█ 13	---	---
Chromium	ppm	█ 12	█ 1	---	---
Molybdenum	ppm	█ 42	█ 41	---	---
Nickel	ppm	█ 1	█ 0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	█ 0	0	---	---
Manganese	ppm	█ 2	█ <1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 1858	█ 1759	---	---
Magnesium	ppm	█ 536	█ 490	---	---
Zinc	ppm	█ 1206	█ 1178	---	---
Phosphorus	ppm	█ 982	█ 1007	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 46	█ 41	---	---

Diagnosis

No corrective action is recommended at this time. 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 acceptable for the time in service.

Depot: VOLVO3387
Unique No: 10645891
Signed: Angela Borella
Report Date: 15 Sep 2023



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GRAPHS

