



CONSTRUCTION EQUIPMENT

606050 GLR VOLVO EC220 314064 - DIESEL ENGINE



Sample No: VCP416972
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 606050 GLR



ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
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SAMPLE INFORMATION

Sample Number	VCP416972	VCP402941	---	---
Sample Date	15 Sep 2023	28 Feb 2023	---	---
Machine Hours	3446	2944	---	---
Oil Hours	500	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.9	█ 13.77	---	---
Base Number (BN)	mg KOH/g	█ 8.2	█ 7.7	---	---
Oxidation (PA)	%	85	83	---	---

CONTAMINATION

Soot %	%	█ 0.2	█ 0.2	---	---
Nitration (PA)	%	85	96	---	---
Sulfation (PA)	%	62	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 6	█ 8	---	---
Sodium	ppm	█ 2	█ 1	---	---
Potassium	ppm	█ <1	█ <1	---	---

WEAR METALS

Iron	ppm	█ 16	█ 24	---	---
Copper	ppm	█ 2	█ 3	---	---
Lead	ppm	█ <1	█ 1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 3	█ 5	---	---
Chromium	ppm	█ 1	█ 1	---	---
Molybdenum	ppm	█ 62	█ 73	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ 1	---	---
Vanadium	ppm	0	<1	---	---

ADDITIVES

Calcium	ppm	█ 1329	█ 1276	---	---
Magnesium	ppm	869	955	---	---
Zinc	ppm	█ 1359	█ 1319	---	---
Phosphorus	ppm	█ 1090	█ 1026	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 16	█ 5	---	---

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.

Depot: VOLVO2990
Unique No: 10657336
Signed: Wes Davis
Report Date: 21 Sep 2023



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GRAPHS

