



CONSTRUCTION EQUIPMENT

606138 GERDAU VOLVO L350H 1133 - DIESEL ENGINE



Sample No: VCP431151
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 606138 GERDAU



SAMPLE INFORMATION

Sample Number	VCP431151	VCP408845	VCP388412	VCP373937
Sample Date	20 Sep 2023	14 Jun 2023	12 Oct 2022	27 Jul 2022
Machine Hours	14544	14011	13079	11706
Oil Hours	500	500	500	700
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT COMPANY - METRO WEST
56195 PONTIAC TRAIL
NEW HUDSON, MI
US 48165
Contact: PAUL CONZ
paul.conz@altg.com
T: (313)348-8861
F: (248)356-2029



OIL CONDITION

Visc @ 100°C	cSt	14.5	14.4	14.8	13.6
Base Number (BN)	mg KOH/g	8.9	8.7	10.5	10.6
Oxidation (PA)	%	55	62	59	62



CONTAMINATION

Soot %	%	0.3	0.3	0.2	0.3
Nitration (PA)	%	53	53	54	62
Sulfation (PA)	%	51	53	56	57
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	2	2	2	3
Sodium	ppm	<1	1	0	2
Potassium	ppm	<1	2	0	2



WEAR METALS

Iron	ppm	4	8	3	4
Copper	ppm	2	8	1	2
Lead	ppm	<1	0	<1	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	2	10	<1	1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	60	56	56	63
Nickel	ppm	2	6	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1044	1130	1030	1156
Magnesium	ppm	1003	931	928	992
Zinc	ppm	1282	1276	1206	1369
Phosphorus	ppm	1016	1004	1009	1115
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	<1	2

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: 10668480
Signed: Jonathan Hester
Report Date: 28 Sep 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

