



CONSTRUCTION EQUIPMENT

JACKSON SOLID WASTE VOLVO L60H 621807 - DIESEL ENGINE



Sample No: VCP426971
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: JACKSON SOLID WASTE



SAMPLE INFORMATION

Sample Number	VCP426971	VCP368950	VCP382771	VCP399214
Sample Date	08 Sep 2023	13 Jun 2023	16 Mar 2023	28 Dec 2022
Machine Hours	8995	8509	7998	7496
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	13.1	13.2	13.4	13.6
Base Number (BN)	mg KOH/g	10.2	10.0	10.6	10.8
Oxidation (PA)	%	77	86	82	81

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 %	%	0.4	0.4	0.4	0.4
Nitration (PA)	%	56	59	59	58
Sulfation (PA)	%	60	63	63	62
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	5	7
Sodium	ppm	3	3	0	4
Potassium	ppm	2	2	1	<1



WEAR METALS

Iron	ppm	6	6	6	6
Copper	ppm	2	<1	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	5	3	5	5
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	42	44	42	41
Nickel	ppm	0	0	<1	2
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	<1	<1
Vanadium	ppm	0	<1	0	<1



ADDITIVES

Calcium	ppm	1814	1865	1778	1763
Magnesium	ppm	565	552	489	493
Zinc	ppm	1267	1209	1159	1166
Phosphorus	ppm	1005	995	955	962
Barium	ppm	0	0	2	0
Boron	ppm	38	44	44	48

Depot: VOLVO1672
Unique No: 10643007
Signed: Wes Davis
Report Date: 12 Sep 2023



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VOLVO GRAPHS

