



CONSTRUCTION EQUIPMENT

137178 480166 VOLVO L180H 5286 - DIESEL ENGINE



Sample No: VCP371026
Oil Type: CHEVRON 15W40
Job No: 137178



SAMPLE INFORMATION

Sample Number	VCP371026	DJJ023766	DJJ0014229	DJJ0014226
Sample Date	15 Apr 2024	16 Nov 2023	17 Oct 2023	20 Jun 2023
Machine Hours	9973	9738	9515	9008
Oil Hours	0	0	0	9008
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ADVANTAGE METALS RECYCLING - 12 STREET
 1153 S. 12TH STREET
 KANSAS CITY, KS
 US 66105
 Contact: FIDEL CERVANTES
 fidel.cervantes@advantagerecycling.com
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OIL CONDITION

Visc @ 100°C	cSt	13.0	13.4	13.3	13.1
Base Number (BN)	mg KOH/g	7.8	7.4	7.6	7.8
Oxidation (PA)	%	56	55	56	57

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

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	48	43	46	48
Sulfation (PA)	%	55	55	55	57
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	9	6	8	7
Sodium	ppm	<1	0	0	2
Potassium	ppm	1	1	2	<1



WEAR METALS

Iron	ppm	10	3	4	3
Copper	ppm	1	<1	1	<1
Lead	ppm	0	<1	<1	<1
Tin	ppm	<1	<1	0	0
Aluminum	ppm	4	2	2	0
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	94	91	95	92
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1446	1404	1357	1352
Magnesium	ppm	439	409	387	418
Zinc	ppm	1223	1178	1165	1169
Phosphorus	ppm	1028	979	1011	969
Barium	ppm	0	0	4	0
Boron	ppm	445	463	427	426

Depot: ADVKANLH
Unique No: 10993688
Signed: Wes Davis
Report Date: 24 Apr 2024



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GRAPHS

