



CONSTRUCTION EQUIPMENT

10720 VOLVO L150G 23510 - DIESEL ENGINE



Sample No: VCP416455
Oil Type: MOBIL 15W40
Job No: 10720



SAMPLE INFORMATION

Sample Number	VCP416455	VCP365734	VCP321610	---
Sample Date	20 Jul 2023	07 Dec 2022	15 Jun 2021	---
Machine Hours	9618	7814	4745	---
Oil Hours	0	0	500	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

COVANTA ENERGY

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OIL CONDITION

Visc @ 100°C	cSt	13.1	12.9	12.8	---
Base Number (BN)	mg KOH/g	8.8	10.8	---	---
Oxidation (PA)	%	82	84	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	0.5	0.1	---
Nitration (PA)	%	76	75	47	---
Sulfation (PA)	%	60	66	63	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	13	20	6	---
Sodium	ppm	4	3	3	---
Potassium	ppm	1	2	2	---



WEAR METALS

Iron	ppm	12	17	23	---
Copper	ppm	<1	1	2	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	8	10	3	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	43	45	42	---
Nickel	ppm	<1	1	<1	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	1772	1681	1590	---
Magnesium	ppm	526	495	501	---
Zinc	ppm	1171	1119	1064	---
Phosphorus	ppm	922	912	904	---
Barium	ppm	0	0	0	---
Boron	ppm	33	24	76	---

Depot: COVCHE
Unique No: 10576312
Signed: Wes Davis
Report Date: 28 Jul 2023



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GRAPHS

