



CONSTRUCTION EQUIPMENT

19124 KOPPERS VOLVO L150H 6856 - DIESEL ENGINE



Sample No: VCP415898
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 19124 KOPPERS



SAMPLE INFORMATION

Sample Number	VCP415898	VCP421465	VCP313937	---
Sample Date	13 Jul 2023	03 May 2023	11 Aug 2021	---
Machine Hours	6021	5629	2042	---
Oil Hours	0	495	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	13.4	13.4	13.2	---
Base Number (BN)	mg KOH/g	9.0	9.9	---	---
Oxidation (PA)	%	58	82	59	---

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	%	---	---	0.13	---
Soot %	%	0.1	0.1	0.2	---
Nitration (PA)	%	55	62	71	---
Sulfation (PA)	%	50	61	53	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	3	4	6	---
Sodium	ppm	<1	1	1	---
Potassium	ppm	0	0	4	---



WEAR METALS

Iron	ppm	4	4	9	---
Copper	ppm	5	3	23	---
Lead	ppm	0	<1	1	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	<1	3	2	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	62	39	64	---
Nickel	ppm	0	0	1	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1213	1596	1143	---
Magnesium	ppm	965	545	1000	---
Zinc	ppm	1306	1123	1190	---
Phosphorus	ppm	1081	888	1058	---
Barium	ppm	0	0	0	---
Boron	ppm	8	34	34	---

Depot: VOLVO8769
Unique No: 10586914
Signed: Don Baldrige
Report Date: 05 Aug 2023



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GRAPHS

