



CONSTRUCTION EQUIPMENT

9501 KENT NARROWS BO WIGGINS W4.3 M2-150-48 170029 - DIESEL ENGINE



Sample No: VCP367858
Oil Type: CHEVRON 15W40
Job No: 9501 KENT NARROWS BO



SAMPLE INFORMATION

Sample Number	VCP367858	VCP393610	VCP344232	---
Sample Date	06 Sep 2023	26 Apr 2023	21 Mar 2022	---
Machine Hours	3873	3391	2672	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	13.3	13.2	13.3	---
Base Number (BN)	mg KOH/g	7.3	8.0	10.4	---
Oxidation (PA)	%	62	63	76	---



CONTAMINATION

Soot %	%	0.2	0.2	0.2	---
Nitration (PA)	%	54	58	64	---
Sulfation (PA)	%	59	57	66	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	10	11	10	---
Sodium	ppm	2	2	1	---
Potassium	ppm	2	<1	0	---

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.



WEAR METALS

Iron	ppm	6	6	6	---
Copper	ppm	<1	<1	1	---
Lead	ppm	<1	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	5	5	4	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	94	132	83	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	<1	0	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	1549	1727	1629	---
Magnesium	ppm	450	758	627	---
Zinc	ppm	1298	1032	941	---
Phosphorus	ppm	1048	802	805	---
Barium	ppm	0	0	0	---
Boron	ppm	410	351	220	---

Depot: VOLV00150
Unique No: 10642239
Signed: Don Baldrige
Report Date: 12 Sep 2023



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GRAPHS

