



# CONSTRUCTION EQUIPMENT

9500 KENT NARROWS BO WIGGINS W3.2 M2-150-45 190021 - DIESEL ENGINE



**Sample No:** VCP416472  
**Oil Type:** CHEVRON 15W40  
**Job No:** 9500 KENT NARROWS BO



## SAMPLE INFORMATION

Sample Number	<b>VCP416472</b>	VCP395160	VCP360332	---
Sample Date	<b>06 Sep 2023</b>	26 Apr 2023	21 Mar 2022	---
Machine Hours	<b>3401</b>	2887	2163	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

**MCCLUNG-LOGAN EQUIPMENT CO INC MAIN**  
 4601 WASHINGTON BOULEVARD  
 BALTIMORE, MD  
 US 21227  
 Contact: MARK CIULLA  
 mciulla@mcclung-logan.com  
 T: (410)242-6500  
 F: (410)242-7835



## OIL CONDITION

Visc @ 100°C	cSt	<b>13.3</b>	13.0	13.0	---
Base Number (BN)	mg KOH/g	<b>7.3</b>	7.9	11.0	---
Oxidation (PA)	%	<b>65</b>	62	84	---

## 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 %	%	<b>0.2</b>	0.2	0.3	---
Nitration (PA)	%	<b>59</b>	58	69	---
Sulfation (PA)	%	<b>60</b>	57	66	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	---
Silicon	ppm	<b>16</b>	14	14	---
Sodium	ppm	<b>2</b>	1	1	---
Potassium	ppm	<b>1</b>	<1	0	---



## WEAR METALS

Iron	ppm	<b>10</b>	6	8	---
Copper	ppm	<b>1</b>	<1	2	---
Lead	ppm	<b>&lt;1</b>	0	<1	---
Tin	ppm	<b>&lt;1</b>	0	0	---
Aluminum	ppm	<b>11</b>	6	5	---
Chromium	ppm	<b>&lt;1</b>	0	<1	---
Molybdenum	ppm	<b>92</b>	133	54	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>&lt;1</b>	<1	0	---
Silver	ppm	<b>1</b>	0	2	---
Manganese	ppm	<b>&lt;1</b>	<1	<1	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>1572</b>	1682	1708	---
Magnesium	ppm	<b>455</b>	759	565	---
Zinc	ppm	<b>1299</b>	991	1091	---
Phosphorus	ppm	<b>1042</b>	794	909	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>351</b>	349	94	---

**Depot:** VOLVO0150  
**Unique No:** 10642240  
**Signed:** Don Baldrige  
**Report Date:** 12 Sep 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

