

# OIL ANALYSIS REPORT



## MCCLOSKEY 91511 - DIESEL ENGINE

**Sample No:** VPA040777  
**Oil Type:** DIESEL ENGINE OIL SAE 40

### SAMPLE INFORMATION

Sample Number	VPA040777	VPA255504	---	---
Sample Date	06 Jul 2023	10 Aug 2021	---	---
Machine Hours	3016	1378	---	---
Oil Hours	1000	300	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	SEVERE	---	---

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### OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	17.2	---	---
Base Number (BN)	mg KOH/g	█ 8.9	---	---	---
Oxidation (PA)	%	█ 77	223	---	---

### 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	%	---	▲ 0.214	---	---
Soot %	%	█ 0.1	█ 0.3	---	---
Nitration (PA)	%	█ 73	179	---	---
Sulfation (PA)	%	█ 68	109	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 18	▲ 72	---	---
Sodium	ppm	█ 2	█ 4	---	---
Potassium	ppm	█ 2	█ 2	---	---

### WEAR METALS

Iron	ppm	█ 8	● 332	---	---
Copper	ppm	█ 23	█ 107	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ 1	---	---
Aluminum	ppm	█ 6	▲ 35	---	---
Chromium	ppm	█ 0	█ 10	---	---
Molybdenum	ppm	█ 175	█ 133	---	---
Nickel	ppm	█ 0	● 12	---	---
Titanium	ppm	█ 0	<1	---	---
Silver	ppm	█ <1	█ 5	---	---
Manganese	ppm	█ 0	4	---	---
Vanadium	ppm	█ 0	<1	---	---

### ADDITIVES

Calcium	ppm	█ 2088	█ 1765	---	---
Magnesium	ppm	█ 890	█ 757	---	---
Zinc	ppm	█ 1101	█ 1001	---	---
Phosphorus	ppm	█ 896	797	---	---
Barium	ppm	█ 13	█ 0	---	---
Boron	ppm	█ 472	█ 257	---	---

**Depot:** VP1121775  
**Unique No:** 10551645  
**Signed:** Don Baldrige  
**Report Date:** 13 Jul 2023

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## GRAPHS

