OIL ANALYSIS REPORT

DAVE SAMPLE CUMMINS 46405863 - PORT DIESEL ENGINE

Sample No: VPA045505

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number		VPA045505	 	
Sample Date		11 Sep 2023	 	
Machine Hours		0	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	14.1	 	
Base Number (BN)	mg KOH/g	7.3	 	
. ,	%	57		
Oxidation (PA)	70	57	 	
CONTAMINATION				
CONTAMINATION				
Soot %	%	0.1	 	
Nitration (PA)	%	65	 	
Sulfation (PA)	%	50	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	5	 	
Sodium	ppm	3	 	
Potassium	ppm	2	 	

WEAR METALS

Iron	ppm	11	 	
Copper	ppm	2	 	
Lead	ppm	0	 	
Tin	ppm	■<1	 	
Aluminum	ppm	6	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	79	 	
Nickel	ppm	 <1	 	
Titanium	ppm	0	 	
Silver	ppm	 <1	 	
Manganese	ppm	■ <1	 	
Vanadium	ppm	0	 	

ADDITIVES

Calcium	ppm	2262	 	
Magnesium	ppm	37	 	
Zinc	ppm	1321	 	
Phosphorus	ppm	1111	 	
Barium	ppm	0	 	
Boron	ppm	114	 	

Walstrom Marine

501 Bay Street HARBOR SPRINGS, MI US 49740 Contact: MARK LEWIS mlewis@walstrom.com T: F:

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 acceptable for the time in service.

 Depot:
 VP154879

 Unique No:
 10647184

 Signed:
 Doug Bogart

 Report Date:
 18 Sep 2023

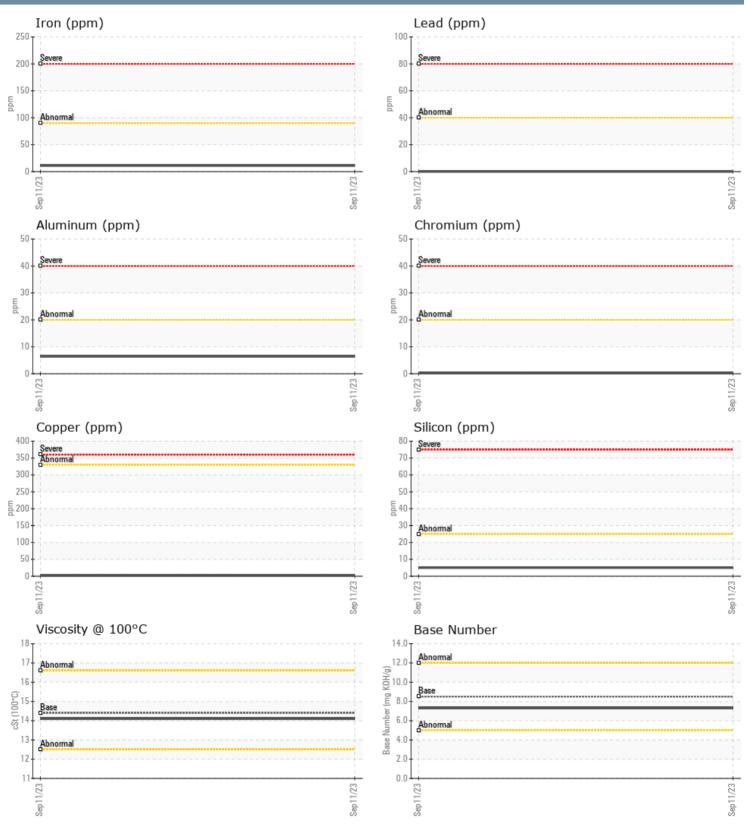
Contact/Location: MARK LEWIS - VP154879



OIL ANALYSIS REPORT



GRAPHS



Report Id: VP154879 [WUSCAR] 05951225 (Generated: 09/18/2023 10:18:58) Rev: 1

Contact/Location: MARK LEWIS - VP154879