OIL ANALYSIS REPORT

DARDEN MARINE 3794 VOLVO PENTA 40569669 - CENTER DIESEL ENGINE

Sample No: VPA055702

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

SAMPLE INFURMA				
Sample Number		VPA055702	 	
Sample Date		29 Dec 2023	 	
Machine Hours		0	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.8	 	
Base Number (BN)	mg KOH/g	9.4	 	
Oxidation (PA)	%	63	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.2	 	
Nitration (PA)	%	55	 	
Sulfation (PA)	%	55	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	4	 	
Sodium	ppm	2	 	
Potassium	ppm	 _ <1	 	
WEAR METALS				
Iron	ppm	7	 	
Copper	ppm	1	 	
Lead	ppm	0	 	
Tin	ppm	_ <1	 	
Aluminum	ppm	2	 	
Chromium	ppm	0	 	
Molybdenum	ppm	6 1	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	□ <1	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	1068	 	
Magnesium	ppm	991	 	
Zinc	ppm	1260	 	
Phosphorus	ppm	1016	 	
Barium	ppm	0	 	
Boron	ppm	3	 	

Unique No:

Report Date:

Signed:

VP1165983

10817255

Don Baldridge

06 Jan 2024



VESTERN BRANCH DIESEL 5881 BULLDOG DR N CHARLESTON, SC JS 29406 Contact: MICHAEL JORDAN ndjordan@wbdiesel.com

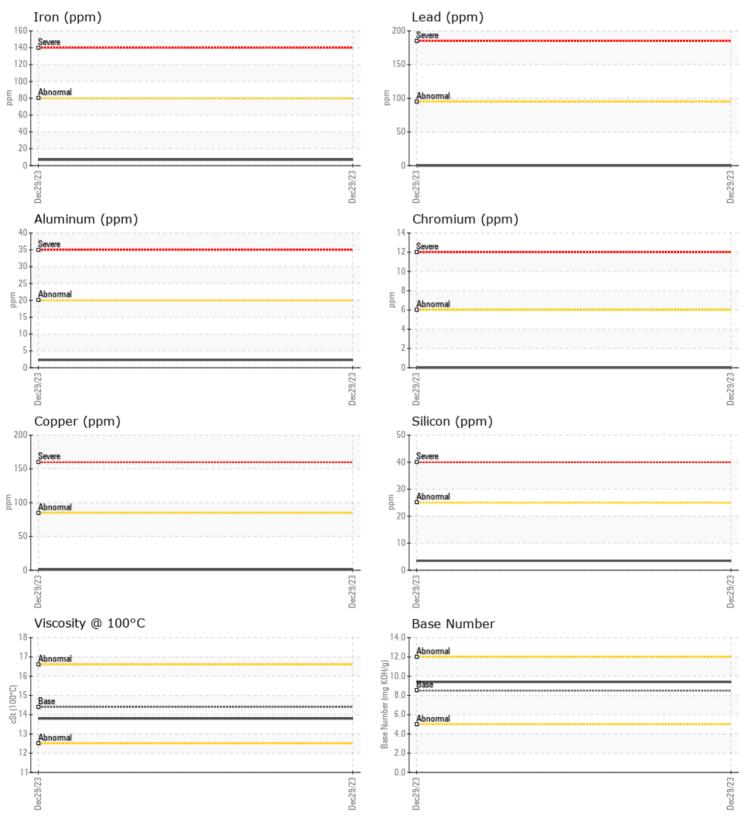
Diagnosis

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.

OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: MICHAEL JORDAN - VP1165983