OIL ANALYSIS REPORT

JOHNSON 4221 VOLVO PENTA A545943 - STARBOARD DIESEL ENGINE

Sample No: VPA060519

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

SAMPLE INFURMA				
Sample Number		VPA060519	 	
Sample Date		22 Feb 2024	 	
Machine Hours		760	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.4	 	
Base Number (BN)	mg KOH/g	9.6	 	
Oxidation (PA)	%	55	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.2	 	
Nitration (PA)	%	45	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	4	 	
Sodium	ppm	2	 	
Potassium	ppm	4	 	
WEAR METALS				
Iron	ppm	0	 	
Copper	ppm	2	 	
Lead	ppm	2	 	
Tin	ppm	0	 	
Aluminum	ppm	2	 	
Chromium	ppm	□ <1	 	
Molybdenum	ppm	66	 	
Nickel	ppm	□ <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	□ <1	 	
Vanadium	ppm	<1	 	
	P.P.			
ADDITIVES				
Calcium	ppm	1199	 	
Magnesium	ppm	936	 	
Zinc	ppm	1324	 	
Phosphorus	ppm	1135	 	
Barium	ppm	0	 	

Jas Marine Service Inc

VOLVO PENTA

3131 SW 2Nd Ave. FORT LAUDERDALE, FL US 33315 Contact: JASON TOLEDO jason@jasmarine.com T: (954)462-1112 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:
 VP426065

 Unique No:
 10898870

 Signed:
 Sean Felton

 Report Date:
 28 Feb 2024

90

ppm

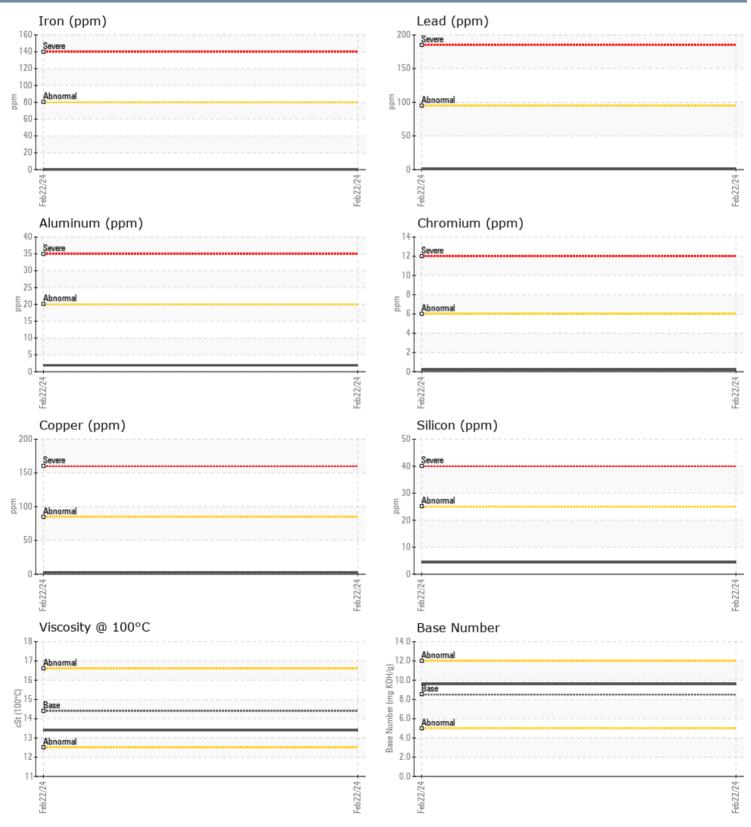
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Contact/Location: JASON TOLEDO - VP426065

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP426065 [WUSCAR] 06100640 (Generated: 02/28/2024 18:22:10) Rev: 1

Contact/Location: JASON TOLEDO - VP426065