OIL ANALYSIS REPORT

VOLVO PENTA

UNDERDOWN ONAN J040700020 - GENSET

Sample No: VPA044018

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number		VPA044018	 	
Sample Date Machine Hours		17 Oct 2023 701	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	14.1	 	
Base Number (BN)	mg KOH/g	8.5	 	
Oxidation (PA)	%	61	 	
CONTAMINATION				
Soot %	%	0.1	 	
Nitration (PA)	%	43	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	8	 	
Sodium	ppm	2	 	
Potassium	ppm	6	 	

WEAR METALS

Iron	ppm	4	 	
Copper	ppm	2	 	
Lead	ppm	1	 	
Tin	ppm	∎1	 	
Aluminum	ppm	2	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	0	 	
Nickel	ppm		 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	□<1	 	
Vanadium	ppm	<1	 	

ADDITIV<u>es</u>

Calcium	ppm	2194	 	
Magnesium	ppm	35	 	
Zinc	ppm	1239	 	
Phosphorus	ppm	1036	 	
Barium	ppm	0	 	
Boron	ppm	91	 	

Walstrom Marine - 767948

501 Bay Street HARBOR SPRINGS, MI US 49740 Contact: RICK HEINY rheiny@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 suitable for further service.

 Depot:
 VP154879

 Unique No:
 10708777

 Signed:
 Don Baldridge

 Report Date:
 25 Oct 2023

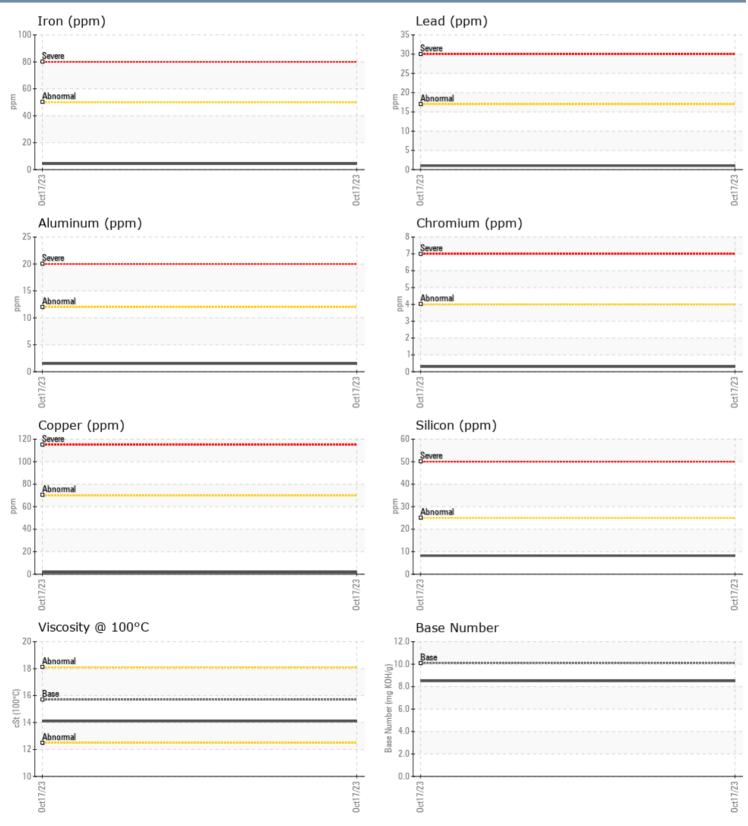
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Contact/Location: RICK HEINY - VP154879

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GRAPHS



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