## **OIL ANALYSIS REPORT**

## SCOTT PITASKY PATRICK/502590-5750 ONAN A200712195 - GENSET

Sample No: VPA059209

Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40

Sample Number		VPA059209	VPA037130	 
Sample Date		03 Jan 2024	17 Jan 2022	 
Machine Hours		671	0	 
Oil Hours		0	0	 
Oil Changed		Changed	Changed	 
Sample Status		NORMAL	NORMAL	 
OIL CONDITION				
Visc @ 100°C	cSt	<b>13.3</b>	13.9	 
Base Number (BN)	mg KOH/g	8.7	9.3	 
Oxidation (PA)	%	64	54	 
CONTAMINATION				
Water	%	NEG	NEG	 
Soot %	%	<b>0.1</b>	0.1	 
Nitration (PA)	%	64	58	 
Sulfation (PA)	%	57	53	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	<1.0	 
Silicon	ppm	7	5	 
Sodium	ppm	0	2	 
Potassium	ppm	3	2	 
WEAR METALS				
Iron	ppm	6	0	 
Copper	ppm	2	1	 
Lead	ppm	<b>  </b> <1	0	 
Tin	ppm	<b>  </b> <1	<b></b> <1	 
Aluminum	ppm	2	3	 
Chromium	ppm	■<1	□ <1	 
Molybdenum	ppm	<b>7</b> 6	11	 
Nickel	ppm	<b></b> <1	0	 
Titanium	ppm	<1	<b></b> < 1	 
Silver	ppm	0	0	 
Manganese	ppm	■<1	□ <1	 
Vanadium	ppm	0	0	 
ADDITIVES				
Calcium	ppm	<b>1434</b>	1298	 
Magnesium	ppm	719	724	 
Zinc	ppm	889	910	 
Phosphorus	ppm	704	737	 
Barium	ppm	8	<b></b> <1	 
Boron	ppm	224	79	 

#### Endor Marine LLC - Coastal Marine - 152124 4300 11th Ave. NW SEATTLE, WA US 98107 Contact: WILLOW YANARELLA service@coastalmarineengine.com T: (206)784-3703 F: (206)784-8823

### 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:
 VP794951

 Unique No:
 10819349

 Signed:
 Don Baldridge

 Report Date:
 09 Jan 2024

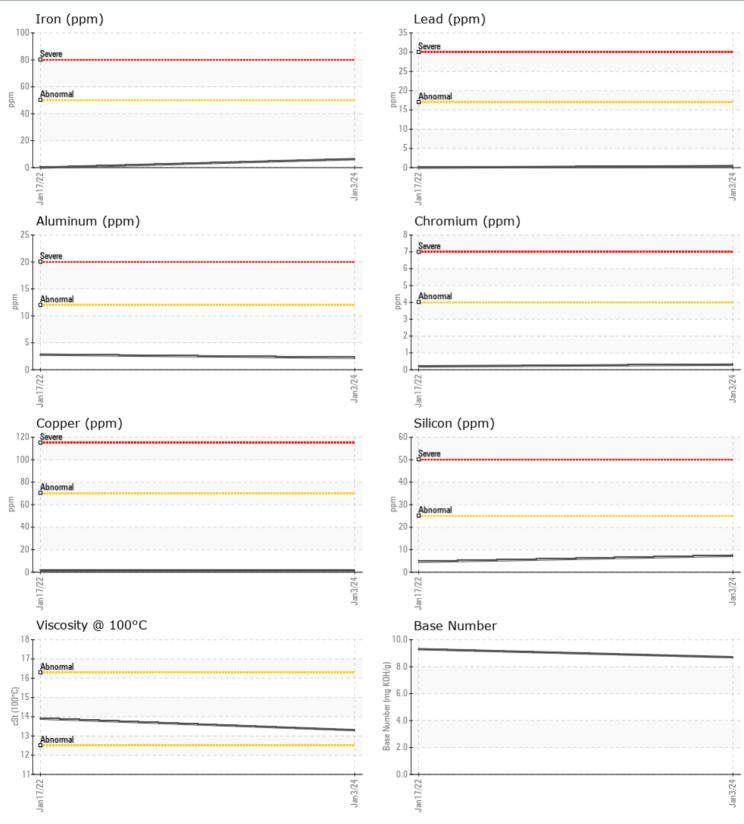
Contact/Location: WILLOW YANARELLA - VP794951



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#### GRAPHS



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