OIL ANALYSIS REPORT

DANIEL LUCHTERHAND 502060 MITSUBISHI 241319NA - GENSET

Sample No: VPA055768

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number		VPA055768	 	
Sample Date		18 Jul 2023	 	
Machine Hours		544	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.8	 	
Base Number (BN)	mg KOH/g	10.2	 	
Oxidation (PA)	%	57	 	
CONTAMINATION				
CONTAMINATION				
Soot %	%	0.1	 	
Nitration (PA)	%	43	 	
Sulfation (PA)	%	51	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	8	 	
Sodium	ppm	2	 	
Potassium	ppm	■ <1	 	

WEAR METALS

Iron	ppm	15	 	
Copper	ppm		 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	2	 	
Chromium	ppm	3	 	
Molybdenum	ppm	54	 	
Nickel	ppm		 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	 <1	 	
Vanadium	ppm	0	 	

ADDITIVES

Calcium	ppm	1271	 	
Magnesium	ppm	909	 	
Zinc	ppm	1356	 	
Phosphorus	ppm	1100	 	
Barium	ppm	0	 	
Boron	ppm	■11	 	

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 suitable for further service.

 Depot:
 VP794951

 Unique No:
 10575252

 Signed:
 Don Baldridge

 Report Date:
 28 Jul 2023

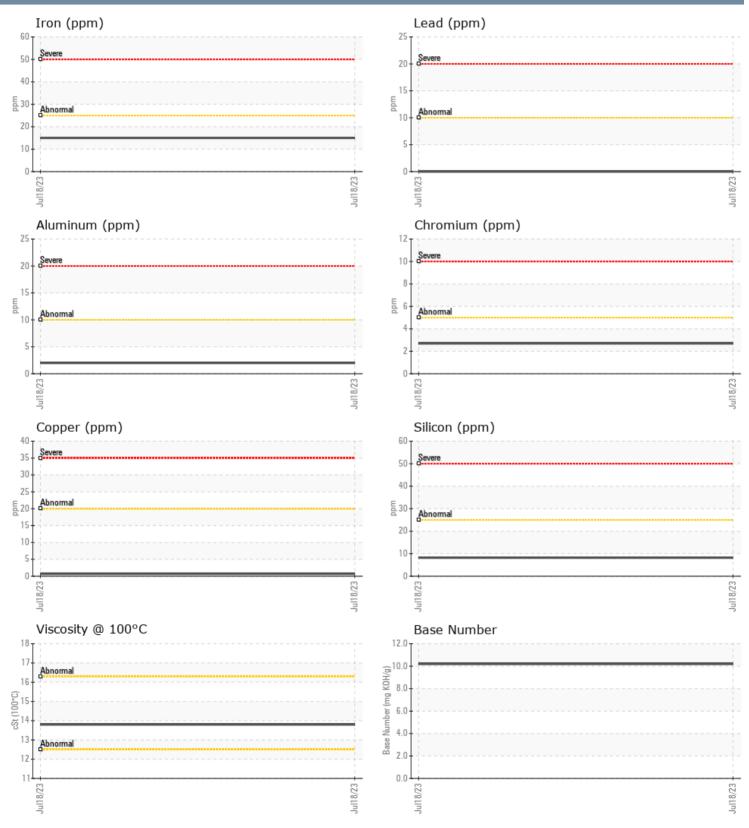
Contact/Location: WILLOW YANARELLA - VP794951



OIL ANALYSIS REPORT



GRAPHS



Report Id: VP794951 [WUSCAR] 05908600 (Generated: 07/31/2023 21:25:15) Rev: 1

Contact/Location: WILLOW YANARELLA - VP794951