OIL ANALYSIS REPORT

GRAZIANO VOLVO PENTA A 1092487 - PORT DIESEL ENGINE

Sample No: VPA054228

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number		VPA054228	VPA045288	
Sample Date		03 Jun 2024	29 Aug 2022	
Machine Hours		587	459	
Oil Hours		0	0	
Oil Changed		Not Changd	N/A	
Sample Status		NORMAL	NORMAL	
Sumple Status		Nonmae	NOTIVITE	
OIL CONDITION				
Visc @ 100°C	cSt	13.6	14.5	
Base Number (BN)	mg KOH/g	9.6	9.1	
Oxidation (PA)	%	57	69	
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CONTAMINATION				
Water	%	NEG	NEG	
Soot %	%	0.2	0.6	
Nitration (PA)	%	48	68	
Sulfation (PA)	%	52	61	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	5	4	
Sodium	ppm	2	1	
Potassium	ppm	3	2	
	pp			
WEAR METALS				
Iron	ppm	17	23	
Copper	ppm	7	11	
Lead	ppm	3	6	
Tin	ppm		1	
Aluminum	ppm	4	4	
Chromium	ppm	■<1	<1	
Molybdenum	ppm	57	10	
Nickel	ppm	2	3	
Titanium	ppm		0	
Silver	ppm	0	<1	
Manganese	ppm	■ <1	<1	
Vanadium	ppm	0	0	
	pp		Ū.	
ADDITIVES				
Calcium	ppm	1413	1960	
Magnesium	ppm	909	132	
Zinc	ppm	1364	1156	
Phosphorus	ppm	1163	960	
Barium	ppm	1	0	
Boron	ppm	3 0	157	
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SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6 SARASOTA, FL US 34240 Contact: JOSHUA joshua@suncoastdmi.com T: (941)342-0033 F: (941)342-0088

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:
 VP705283

 Unique No:
 11071568

 Signed:
 Sean Felton

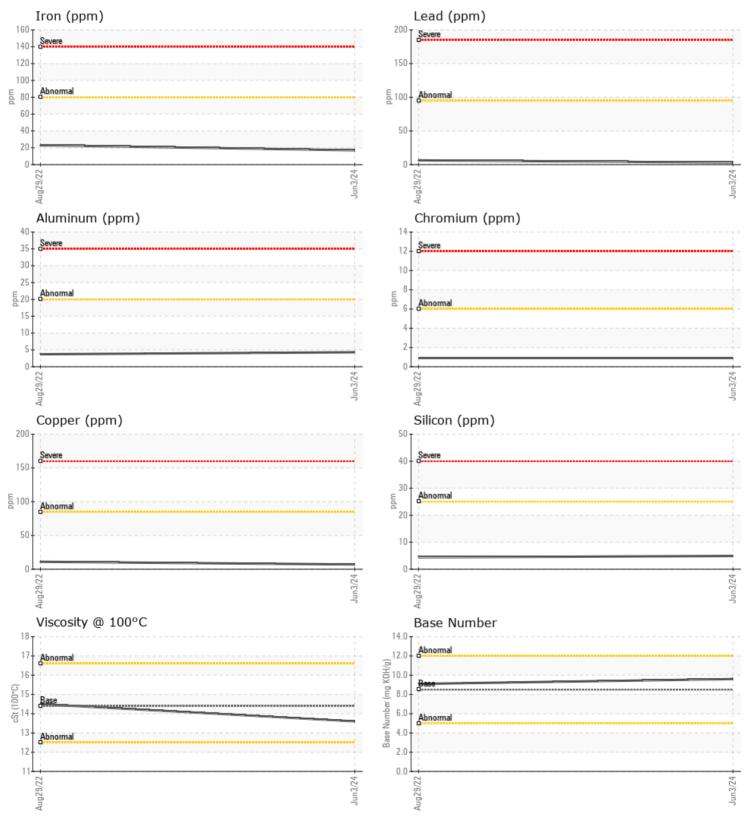
 Report Date:
 12 Jun 2024

Contact/Location: JOSHUA ? - VP705283

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GRAPHS



Report Id: VP705283 [WUSCAR] 06204107 (Generated: 06/12/2024 18:36:25) Rev: 1

Contact/Location: JOSHUA ? - VP705283