OIL ANALYSIS REPORT

CAT 3116 (S/N NOT GIVEN) - PORT DIESEL ENGINE

Sample No: VPA051924

Oil Type: DELCO 15W40

SAMPLE INFORMATION Sample Number VPA051924 22 Aug 2023 Sample Date Machine Hours 2536 Oil Hours 0 Oil Changed Not Changd NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 14.2 Base Number (BN) mg KOH/g 7.9 Oxidation (PA) % 45 CONTAMINATION Soot % % 0.1 % Nitration (PA) 53 Sulfation (PA) % 47 % NEG Glycol Fuel % <1.0 Silicon ppm 5 Sodium 2 ppm Potassium ppm 6 🔲 WEAR METALS

BAY AREA MARINE SERVICES

VOLVO Penta

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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.

Iron	ppm	4	 	
Copper	ppm	 <1	 	
Lead	ppm	1	 	
Tin	ppm	 <1	 	
Aluminum	ppm	1	 	
Chromium	ppm	■ <1	 	
Molybdenum	ppm	2	 	
Molybdenum Nickel	ppm ppm	2 0	 	
		_		
Nickel	ppm	0	 	
Nickel Titanium	ppm ppm	0 <1	 	

ADDITIVES

Calcium	ppm	1324	 	
Magnesium	ppm	706	 	
Zinc	ppm	805	 	
Phosphorus	ppm	653	 	
Barium	ppm	0	 	
Boron	ppm	108	 	

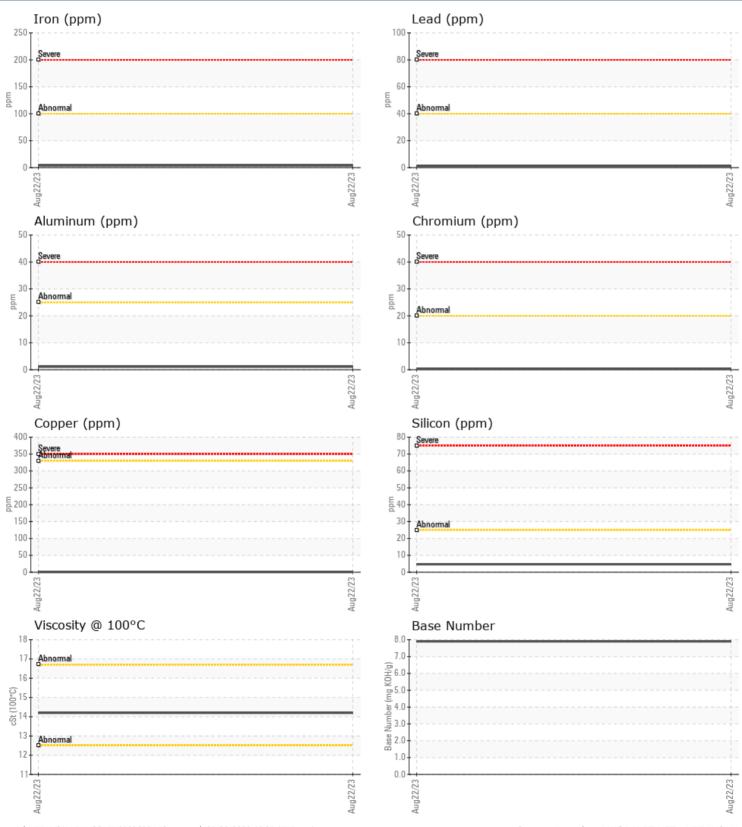
Depot: VPBAYSAU Unique No: 10622165 Signed: Sean Felton Report Date: 29 Aug 2023

Contact/Location: LUIS MARTINEZ - VPBAYSAU

OIL ANALYSIS REPORT



GRAPHS



Report Id: VPBAYSAU [WUSCAR] 05936894 (Generated: 08/29/2023 19:25:17) Rev: 1

Contact/Location: LUIS MARTINEZ - VPBAYSAU