OIL ANALYSIS REPORT

VOLVO PENTA

SMITH VOLVO PENTA 3200000251 - PORT IPS

Sample No: VPA062945

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORM	ATION			
Sample Number		VPA062945	VPA059393	
Sample Date		27 Jun 2024	03 Jun 2024	
Machine Hours		692	674	
Oil Hours		0	0	
Oil Changed		Not Changd	Not Changd	
Sample Status		SEVERE	NORMAL	
OIL CONDITION				
Visc @ 40°C	cSt	106.3	104	
CONTAMINATION				
Water	%	1.04	NEG	
Silicon	ppm	5	2	
Sodium	ppm	88	16	
Potassium	ppm	8	1	
WEAR METALS				
PQ		1 4	19	
Iron	ppm	209	112	
Copper	ppm	14	10	
Lead	ppm	 <1	0	
Tin	ppm	2	0	
Aluminum	ppm	9	5	
Chromium	ppm	1	 < 1	
Molybdenum	ppm	6	6	
Nickel	ppm	3	1	
Titanium	ppm	0	 <1	
Silver	ppm	<1	0	
Manganese	ppm	3	1	
Vanadium	ppm	<1	<1	
ADDITIVES				
Calcium	ppm	264	42	
Magnesium	ppm	28	8	
Zinc	ppm	154	47	
Phosphorus	ppm	1451	1344	
Barium	ppm	0	0	
Boron	ppm	133	106	

SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6 SARASOTA, FL US 34240 Contact: SERVICE MANAGER info@suncoastdmi.com T: (941)342-0033

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.All component wear rates are normal. Appearance is unacceptable. There is a high concentration of water present in the oil. The high sodium (Na) level indicates the possible presence of salt water. The oil is no longer serviceable due to the presence of contaminants.

 Depot:
 VP705283

 Unique No:
 11102175

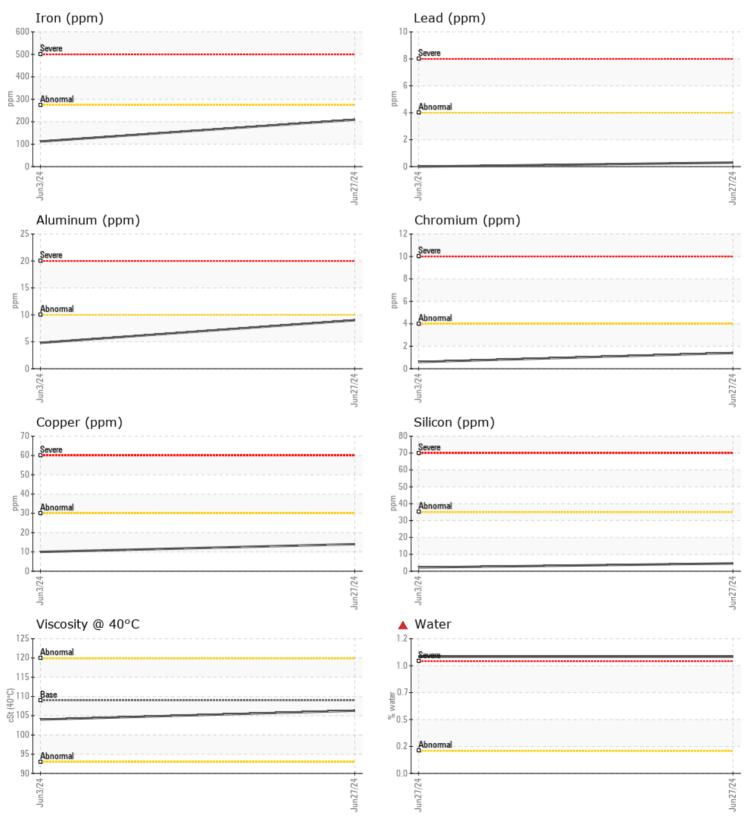
 Signed:
 Doug Bogart

 Report Date:
 28 Jun 2024

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP705283 [WUSCAR] 06223978 (Generated: 06/28/2024 16:54:47) Rev: 1

Contact/Location: SERVICE MANAGER - VP705283