



## OKEEFE VOLVO PENTA 3940027000 - PORT IPS

Sample No: VPA048119

**Oil Type:** GEAR OIL SAE 75W90

SAMPLE INFORMA	ATION				
Sample Number		VPA048119	VPA045269	VPA037508	VPA028202
Sample Number		31 Jul 2023	12 Jan 2023	21 Jan 2022	28 Jun 2021
Machine Hours		1024	973	823	771
Oil Hours		0	0	0	0
Oil Changed		N/A	N/A	N/A	Not Changd
Sample Status		NORMAL	NORMAL	NORMAL	NORMAL
		HORMAL	TVOTATALE	TVOTTIVIAL	TVOTAIVIALE
OIL CONDITION					
Visc @ 40°C	cSt	<b>104</b>	■106	□ 102.5	■102.4
CONTAMINATION					
Silicon	ppm	9	14	20	15
Sodium	ppm	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
Potassium	ppm	<b>■ &lt;1</b>	<b>1</b>	<b>5</b>	<b>6</b>
WEAR METALS					
PQ		<b>15</b>	■18	■17	■18
Iron	ppm	■85	<b>167</b>	<b>147</b>	<b>□</b> 79
Copper	ppm	■8	■18	<b>2</b> 4	<b>1</b> 5
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	1	2	3	0
Chromium	ppm	<b>■&lt;1</b>	<b>2</b>	<b></b>	<b></b>
Molybdenum	ppm	<b>■&lt;1</b>	<b></b>	<b>1</b>	<b></b>
Nickel	ppm	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	0	0	2
Manganese	ppm	<b>1</b>	<b>4</b>	<b>6</b>	<b>4</b>
Vanadium	ppm	0	0	0	0
ADDITIVES					
Calcium	ppm	■8	<b>1</b> 2	□28	■18
Magnesium	ppm	<b>5</b>	36	<b>165</b>	<b>140</b>
Zinc	ppm	<b>6</b>	<b>1</b> 2	<b>2</b> 4	<b>2</b>
Phosphorus	ppm	<b>1539</b>	■1384	■1320	<b>1312</b>
Barium	ppm	<b>0</b>	<b>0</b>	<u> </u>	<b>0</b>
Boron	ppm	■332	■303	<b>185</b>	<b>155</b>

## **SUNCOAST DIESEL MARINE**

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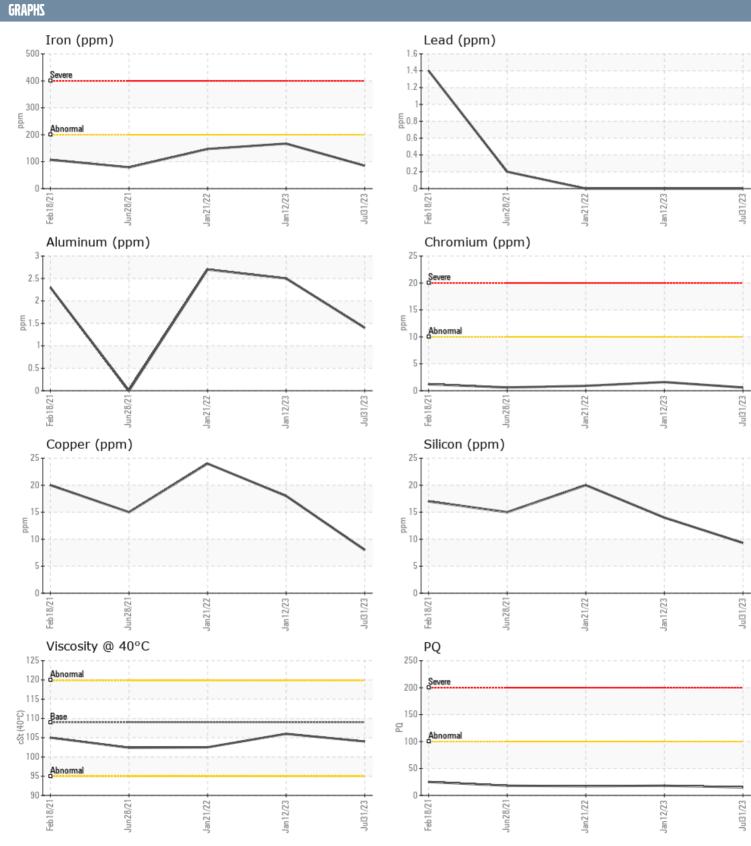
## Diagnosis

No corrective action is recommended at this time. 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 condition of the oil is acceptable for the time in service.

Depot:VP705283Unique No:10587530Signed:Don BaldridgeReport Date:06 Aug 2023

## **OIL ANALYSIS REPORT**





Report Id: VP705283 [WUSCAR] 05915616 (Generated: 08/08/2023 09:56:42) Rev: 1