

OIL ANALYSIS REPORT



OKEEFE VOLVO PENTA 3940016629 - STARBOARD IPS

Sample No: VPA048117
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA048117	VPA045270	VPA037513	VPA028205
Sample Date	31 Jul 2023	12 Jan 2023	21 Jan 2022	28 Jun 2021
Machine Hours	1026	976	823	771
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	Not Changd	Not Changd
Sample Status	NORMAL	ATTENTION	ATTENTION	NORMAL

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

OIL CONDITION

Visc @ 40°C	cSt	103	105	103.0	103.9
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CONTAMINATION

Silicon	ppm	11	15	22	15
Sodium	ppm	7	15	22	22
Potassium	ppm	<1	<1	<1	2

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 condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		16	16	30	22
Iron	ppm	81	236	278	160
Copper	ppm	9	22	34	26
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	4	5	0
Chromium	ppm	<1	2	2	2
Molybdenum	ppm	4	<1	1	1
Nickel	ppm	1	3	2	2
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	13
Manganese	ppm	1	2	4	3
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	31	22	52	43
Magnesium	ppm	18	3	6	6
Zinc	ppm	24	21	32	18
Phosphorus	ppm	1390	1362	1280	1279
Barium	ppm	0	0	0	<1
Boron	ppm	311	247	191	289

Depot: VP705283
Unique No: 10587531
Signed: Jonathan Hester
Report Date: 08 Aug 2023

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VOLVO PENTA

GRAPHS

