

OIL ANALYSIS REPORT

VOLVO PENTA

RICHMOND MEYER 3950006318 - STARBOARD IPS

Sample No: VPA051982

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA051982	VPA046517	VPA046638	VPA037504
Sample Date	25 Oct 2023	11 Aug 2023	25 Apr 2023	24 Jan 2023
Machine Hours	6723	6253	5657	5167
Oil Hours	500	596	500	512
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

VIRGINIA PILOT ASSOCIATION

3329 SHORE DR
VIRGINIA BEACH, VA
US 23451
Contact: RYAN BRYANT
bryant_j@vapilotassn.com
T: (757)692-3439
F:

OIL CONDITION

Visc @ 40°C	cSt	104	103	105	102
-------------	-----	------------	-----	-----	-----

CONTAMINATION

Silicon	ppm	3	1	0	5
Sodium	ppm	10	2	1	2
Potassium	ppm	1	1	0	1

WEAR METALS

PQ		14	13	14	12
Iron	ppm	25	22	15	29
Copper	ppm	7	6	4	4
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	<1	1	1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	<1	<1	2	<1
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	0	0

ADDITIVES

Calcium	ppm	22	12	14	17
Magnesium	ppm	7	2	6	5
Zinc	ppm	37	0	11	10
Phosphorus	ppm	1439	1323	1348	1299
Barium	ppm	20	0	0	1
Boron	ppm	359	323	324	317

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: VPVIRVIR
Unique No: 10722180
Signed: Sean Felton
Report Date: 01 Nov 2023

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

