

OIL ANALYSIS REPORT



RICHMOND MEYER 3950006317 - PORT IPS

Sample No: VPA046633

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA046633	VPA046095	VPA046640	VPA037503
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
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F:

OIL CONDITION

Visc @ 40°C	cSt	104	104	104	103
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CONTAMINATION

Silicon	ppm	1	1	0	2
Sodium	ppm	8	9	9	15
Potassium	ppm	1	2	0	2

WEAR METALS

PQ		15	12	8	17
Iron	ppm	22	28	35	67
Copper	ppm	4	5	5	7
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	0	1	1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	2	<1	<1	0
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	2
Vanadium	ppm	0	<1	0	0

ADDITIVES

Calcium	ppm	49	67	8	10
Magnesium	ppm	7	5	4	5
Zinc	ppm	35	16	7	11
Phosphorus	ppm	1377	1280	1361	1300
Barium	ppm	20	0	0	1
Boron	ppm	342	310	325	315

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: 10722179
Signed: Sean Felton
Report Date: 01 Nov 2023

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VOLVO PENTA

GRAPHS

