

OIL ANALYSIS REPORT



MEYER VOLVO PENTA IPS30D 3950003754 - PORT IPS

Sample No: VPA051978
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA051978	VPA046626	VPA040672	VPA028072
Sample Date	13 Sep 2023	27 Jun 2023	01 Mar 2023	28 Sep 2022
Machine Hours	8724	8250	7666	7106
Oil Hours	500	584	560	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	ABNORMAL

VIRGINIA PILOT ASSOCIATION

3329 SHORE DR
 VIRGINIA BEACH, VA
 US 23451
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 T: (757)692-3439
 F:

OIL CONDITION

Visc @ 40°C	cSt	104	101	99.8	105
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CONTAMINATION

Water	%	0.277	---	---	0.261
Silicon	ppm	3	1	3	2
Sodium	ppm	14	13	15	7
Potassium	ppm	2	1	2	0

WEAR METALS

PQ		16	21	15	11
Iron	ppm	69	102	101	38
Copper	ppm	9	12	12	6
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	<1	0
Aluminum	ppm	4	6	6	2
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	2	<1	<1	2
Nickel	ppm	<1	1	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	0	<1
Manganese	ppm	<1	2	2	1
Vanadium	ppm	0	0	0	2

ADDITIVES

Calcium	ppm	37	26	20	6
Magnesium	ppm	8	4	6	0
Zinc	ppm	24	41	36	0
Phosphorus	ppm	1298	1404	1480	1464
Barium	ppm	0	0	0	0
Boron	ppm	297	308	327	326

Diagnosis

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of metal. We recommend an early resample to monitor this condition. Resample at the next service interval to monitor. High concentration of visible metal present. All component wear rates are normal. There is a light concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VPVIRVIR
Unique No: 10656150
Signed: Doug Bogart
Report Date: 20 Sep 2023

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VOLVO PENTA

GRAPHS

