

OIL ANALYSIS REPORT



MEYER - PORT IPS

Sample No: VPA053660
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA053660	VPA046519	VPA051978	VPA046626
Sample Date	09 May 2024	13 Feb 2024	13 Sep 2023	27 Jun 2023
Machine Hours	6625	9242	8724	8250
Oil Hours	537	500	500	584
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

VIRGINIA PILOT ASSOCIATION

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OIL CONDITION

Visc @ 40°C	cSt	103	103	104	101
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CONTAMINATION

Water	%	NEG	NEG	0.277	NEG
Silicon	ppm	2	1	3	1
Sodium	ppm	7	0	14	13
Potassium	ppm	0	2	2	1

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		15	16	16	21
Iron	ppm	32	42	69	102
Copper	ppm	6	5	9	12
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	<1
Aluminum	ppm	2	2	4	6
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	2	<1
Nickel	ppm	0	0	<1	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	1	0	<1	2
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	2	2	37	26
Magnesium	ppm	0	3	8	4
Zinc	ppm	0	5	24	41
Phosphorus	ppm	1366	1189	1298	1404
Barium	ppm	0	0	0	0
Boron	ppm	325	330	297	308

Depot: VPVIRVIR
Unique No: 11023542
Signed: Don Baldrige
Report Date: 15 May 2024

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VOLVO PENTA

GRAPHS

