

OIL ANALYSIS REPORT



WALTER LYNCH DHARMA VOLVO PENTA 3940020563 - PORT IPS

Sample No: VPA047926
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA047926	VPA041922	VPA027215	VPA022526
Sample Date	22 Jun 2023	25 May 2022	10 Mar 2020	07 Jun 2019
Machine Hours	508	462	366	0
Oil Hours	46	120	0	0
Oil Changed	Changed	Changed	Not Changd	Not Changd
Sample Status	NORMAL	ATTENTION	NORMAL	ATTENTION

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OIL CONDITION

Visc @ 40°C	cSt	107	108	103	97.8
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CONTAMINATION

Water	%	---	▲ 0.529	■ 0.125	▲ 0.811
Silicon	ppm	15	11	28	33
Sodium	ppm	25	29	8	26
Potassium	ppm	2	<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		17	30	24	22
Iron	ppm	200	170	96	182
Copper	ppm	18	18	13	33
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	2	1	2
Chromium	ppm	1	1	1	1
Molybdenum	ppm	<1	<1	0	0
Nickel	ppm	2	2	1	2
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	3	4	2	4
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	10	16	3	9
Magnesium	ppm	8	14	38	50
Zinc	ppm	16	22	12	16
Phosphorus	ppm	1300	1380	1432	1151
Barium	ppm	0	0	0	0
Boron	ppm	326	313	358	142

Depot: VP288530
Unique No: 10536396
Signed: Don Baldrige
Report Date: 02 Jul 2023

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GRAPHS

