

OIL ANALYSIS REPORT

VOLVO PENTA

GALTEX PILOTS SERVICE VOLVO PENTA 3950009418 - PORT IPS

Sample No: VPA060146

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA060146	VPA060147	VPA060546	VPA060552
Sample Date	02 Jan 2024	18 Dec 2023	26 Oct 2023	21 Aug 2023
Machine Hours	3337	3175	2891	2500
Oil Hours	0	0	0	365
Oil Changed	N/A	N/A	N/A	N/A
Sample Status	NORMAL	MARGINAL	NORMAL	SEVERE

Elite Diesel Services LLC

2103 Anders Lane
KEMAH, TX
US 77565
Contact: AUSTIN SULLIVAN
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OIL CONDITION

Visc @ 40°C	cSt	■ 91.2	■ 104	■ 101	■ 103
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CONTAMINATION

Water	%	NEG	▲ 0.197	NEG	NEG
Silicon	ppm	■ 6	■ 4	■ 4	■ 2
Sodium	ppm	■ 5	■ 0	■ 1	■ <1
Potassium	ppm	■ <1	■ 4	■ 3	■ 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		■ 17	■ 15	■ 16	■ 35
Iron	ppm	■ 54	■ 4	■ 9	■ 502
Copper	ppm	■ 5	■ 0	■ <1	■ 5
Lead	ppm	■ 0	■ 0	■ 0	■ 0
Tin	ppm	■ <1	■ 0	■ <1	■ 0
Aluminum	ppm	■ 2	■ <1	■ <1	■ 2
Chromium	ppm	■ <1	■ 0	■ 0	■ 5
Molybdenum	ppm	■ 0	■ 14	■ 12	■ 2
Nickel	ppm	■ <1	■ 0	■ 0	■ 6
Titanium	ppm	■ 0	■ 0	■ 0	■ 0
Silver	ppm	■ 0	■ 0	■ 0	■ 0
Manganese	ppm	■ 1	■ 0	■ 0	■ 2
Vanadium	ppm	■ 0	■ 0	■ 0	■ 0

ADDITIVES

Calcium	ppm	■ 6	■ 2034	■ 1786	■ 4
Magnesium	ppm	■ 4	■ 114	■ 93	■ 7
Zinc	ppm	■ 0	■ 1189	■ 1054	■ 4
Phosphorus	ppm	■ 1500	■ 945	■ 900	■ 1306
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 319	■ 144	■ 106	■ 335

Depot: VP680026
Unique No: 10831842
Signed: Don Baldrige
Report Date: 16 Jan 2024

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GRAPHS

