

OIL ANALYSIS REPORT



SEA BEYOND SEA BEYOND VOLVO PENTA 3950002981 - STARBOARD IPS

Sample No: VPA062023
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA062023	VPA021905	VPA044816	VPA028390
Sample Date	24 Jun 2024	12 Dec 2023	01 Jun 2023	06 Apr 2022
Machine Hours	585	570	558	521
Oil Hours	0	12	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	107	105	113	106
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<1	2	<1	<1
Sodium	ppm	<1	<1	1	0
Potassium	ppm	2	2	0	<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 fluid. The condition of the fluid is acceptable for the time in service.

WEAR METALS

PQ		17	25	13	24
Iron	ppm	10	11	23	41
Copper	ppm	1	0	<1	1
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	3	<1	0	<1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	<1	0	0	<1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	0	2	0	21
Magnesium	ppm	3	4	16	31
Zinc	ppm	5	0	0	6
Phosphorus	ppm	1457	1391	1357	1347
Barium	ppm	<1	0	0	0
Boron	ppm	329	324	348	302

Depot: VP288530
Unique No: 11103031
Signed: Don Baldrige
Report Date: 02 Jul 2024

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VOLVO PENTA

GRAPHS

