

OIL ANALYSIS REPORT

VOLVO PENTA

TELESE TG SURVEY VOLVO PENTA 3940020532 - STARBOARD IPS

Sample No: VPA041209

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA041209	VPA041236	VPA037176	VPA026224
Sample Date	24 Aug 2023	28 Mar 2023	07 Apr 2022	11 Sep 2020
Machine Hours	677	631	603	535
Oil Hours	0	0	0	17
Oil Changed	Not Changd	Not Changd	Changed	Not Changd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

Suncoast Diesel Marine Inc.

610 Mount Vernan St
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US 34677
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OIL CONDITION

Visc @ 40°C	cSt	█ 108	█ 107	█ 103	█ 105
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CONTAMINATION

Silicon	ppm	█ 17	█ 12	█ 15	█ 18
Sodium	ppm	█ 79	█ 22	█ 3	█ 2
Potassium	ppm	█ 3	█ 3	█ 0	█ 0

WEAR METALS

PQ		█ 32	█ 17	█ 36	█ 23
Iron	ppm	▲ 325	█ 186	█ 198	█ 64
Copper	ppm	█ 30	█ 14	█ 16	█ 8
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	8	<1	2	<1
Chromium	ppm	█ 3	█ 1	█ 2	█ <1
Molybdenum	ppm	█ 0	█ <1	█ <1	█ <1
Nickel	ppm	█ 4	█ 1	█ 2	█ 1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	█ 8	█ 5	█ 4	█ 1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	█ 11	█ 12	█ 21	█ 6
Magnesium	ppm	█ 30	26	30	27
Zinc	ppm	█ 36	█ 9	█ 17	█ 4
Phosphorus	ppm	█ 1483	█ 1357	█ 1274	█ 1304
Barium	ppm	█ 0	█ 0	█ 0	█ 0
Boron	ppm	█ 324	█ 281	█ 265	█ 302

Diagnosis

We recommend an early resample to monitor this condition. The iron level is abnormal. All other 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.

Depot: VP945077
Unique No: 10620958
Signed: Angela Borella
Report Date: 29 Aug 2023

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GRAPHS

