

OIL ANALYSIS REPORT



KEN SHARPLES VOLVO PENTA 3950004220 - STARBOARD IPS

Sample No: VPA059502
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA059502	VPA050597	---	---
Sample Date	07 Feb 2024	14 Jul 2023	---	---
Machine Hours	540	528	---	---
Oil Hours	7	55	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

Cogswell Marine & Motorsports, Inc
 865 Stella Street
 CHULA VISTA, CA
 US 91911
 Contact: Mitchell Cogswell
 Cogswellmarinemotorsports@gmail.com
 T:
 F:

OIL CONDITION

Visc @ 40°C	cSt	98.4	109.0	---	---
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CONTAMINATION

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

WEAR METALS

PQ		12	14	---	---
Iron	ppm	4	12	---	---
Copper	ppm	3	4	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	<1	---	---

ADDITIVES

Calcium	ppm	103	3	---	---
Magnesium	ppm	363	2	---	---
Zinc	ppm	41	3	---	---
Phosphorus	ppm	1500	1323	---	---
Barium	ppm	0	0	---	---
Boron	ppm	607	301	---	---

Depot: VP152133
Unique No: 10872962
Signed: Jonathan Hester
Report Date: 13 Feb 2024

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GRAPHS

