

OIL ANALYSIS REPORT



VANQUISH 58 FISCHER PANDA 1900522 - GENSET

Sample No: VPA049947
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA049947	VPA035340	---	---
Sample Date	02 May 2024	06 Oct 2021	---	---
Machine Hours	2912	1345	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	N/A	---	---
Sample Status	NORMAL	MARGINAL	---	---

Marine International Diesels Inc.
 3600 HACIENDA BLVD UNIT G
 DAVIE, FL
 US 33314
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	█ 13.5	---	---
Base Number (BN)	mg KOH/g	7.8	---	---	---
Oxidation (PA)	%	55	---	---	---

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	41	---	---	---
Sulfation (PA)	%	49	---	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 10	▲ 45	---	---
Sodium	ppm	█ 2	█ 4	---	---
Potassium	ppm	█ 2	█ 1	---	---

WEAR METALS

Iron	ppm	█ 0	█ 13	---	---
Copper	ppm	█ <1	█ 4	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 2	█ 6	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 60	█ 44	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	█ <1	---	---
Silver	ppm	█ 0	0	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1080	█ 1462	---	---
Magnesium	ppm	█ 948	█ 746	---	---
Zinc	ppm	█ 1297	█ 974	---	---
Phosphorus	ppm	█ 970	█ 762	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 2	█ 33	---	---

Depot: VP694356
Unique No: 11099178
Signed: Don Baldrige
Report Date: 27 Jun 2024

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**VOLVO
PENTA**

GRAPHS

