

OIL ANALYSIS REPORT



HUNTER KURTZ YANMAR HUNTER KURTZ (S/N NOT GIVEN) - STARBOARD DIESEL ENGINE

Sample No: VPA059713
Oil Type: SHELL ROTELLA T4 15W40

SAMPLE INFORMATION

Sample Number	VPA059713	---	---	---
Sample Date	08 Apr 2024	---	---	---
Machine Hours	2080	---	---	---
Oil Hours	75	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

Edward's Marine and Sons
 12741 Sunset Ave
 OCEAN CITY, MD
 US 21842
 Contact: Edward Bartholme
 edwardsmarine@comcast.net;canastasio@wearcheckusa.com
 T:
 F:

OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	---	---	---
Base Number (BN)	mg KOH/g	█ 9.5	---	---	---
Oxidation (PA)	%	65	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	58	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ < 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 32	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	< 1	---	---	---

ADDITIVES

Calcium	ppm	█ 1733	---	---	---
Magnesium	ppm	409	---	---	---
Zinc	ppm	█ 1150	---	---	---
Phosphorus	ppm	█ 1035	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 61	---	---	---

Depot: VP551029
Unique No: 10968700
Signed: Angela Borella
Report Date: 12 Apr 2024

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VOLVO PENTA

GRAPHS

