

OIL ANALYSIS REPORT



25183 JESSE HATZ 1681719000393 - VARIABLE SPEED - DIESEL ENGINE

Sample No: VPA039632
Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA039632	---	---	---
Sample Date	24 Jun 2024	---	---	---
Machine Hours	2219	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

Rutt's Machine Inc.
300 Jonlyn Dr
Elizabethtown, PA
US 17022
Contact: John Rutt
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T:
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 14.3	---	---	---
Base Number (BN)	mg KOH/g	█ 7.1	---	---	---
Oxidation (PA)	%	46	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	50	---	---	---
Sulfation (PA)	%	48	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 3	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. No abnormal wear detected. 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.

WEAR METALS

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

ADDITIVES

Calcium	ppm	█ 2218	---	---	---
Magnesium	ppm	█ 60	---	---	---
Zinc	ppm	█ 1117	---	---	---
Phosphorus	ppm	█ 886	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 62	---	---	---

Depot: VP743218
Unique No: 11100165
Signed: Don Baldrige
Report Date: 28 Jun 2024

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VOLVO PENTA

GRAPHS

