



CONSTRUCTION EQUIPMENT

R24904 GEORGE HARMS MANITOWOC 777 7771153 - DIESEL ENGINE



Sample No: VCP441487
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: R24904 GEORGE HARMS



SAMPLE INFORMATION

Sample Number	VCP441487	---	---	---
Sample Date	19 Apr 2024	---	---	---
Machine Hours	9642	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

HOFFMAN EQUIPMENT INC
300 S RANDOLPHVILLE RD
PISCATAWAY, NJ
US 08854
Contact: IOANA BODOCHI
ioana.bodochi@hoffmanequip.com
T:
F: (732)968-8371

OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	---	---	---
Base Number (BN)	mg KOH/g	█ 8.9	---	---	---
Oxidation (PA)	%	64	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

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	---	---	---
Soot %	%	█ 0.7	---	---	---
Nitration (PA)	%	74	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 3	---	---	---

WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 42	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 18	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 2110	---	---	---
Magnesium	ppm	█ 565	---	---	---
Zinc	ppm	█ 1350	---	---	---
Phosphorus	ppm	█ 1170	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 49	---	---	---

Depot: HOFPISNJ
Unique No: 10996679
Signed: Wes Davis
Report Date: 27 Apr 2024



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GRAPHS

