



CONSTRUCTION EQUIPMENT

607995 DIPRO POLARIS RANGOR 34243 - DIESEL ENGINE



Sample No: VCP431911
Oil Type: MOBIL DELVAC 1 5W40
Job No: 607995 DIPRO



SAMPLE INFORMATION

Sample Number	VCP431911	---	---	---
Sample Date	09 Oct 2023	---	---	---
Machine Hours	995	---	---	---
Oil Hours	995	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.2	---	---	---
Base Number (BN)	mg KOH/g	█ 7.4	---	---	---
Oxidation (PA)	%	73	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. Metal levels are typical for a components first oil change. Light fuel dilution occurring. No other contaminants were detected 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

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	87	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 1.6	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

Iron	ppm	█ 51	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ 7	---	---	---
Molybdenum	ppm	█ 62	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1465	---	---	---
Magnesium	ppm	█ 885	---	---	---
Zinc	ppm	█ 1138	---	---	---
Phosphorus	ppm	█ 998	---	---	---
Barium	ppm	█ 4	---	---	---
Boron	ppm	3	---	---	---

Depot: VOLVO2990
Unique No: 10729733
Signed: Wes Davis
Report Date: 09 Nov 2023



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GRAPHS

