



CONSTRUCTION EQUIPMENT

SWA441468 RYAN CENTR VOLVO A45G 353583 - DIESEL ENGINE



Sample No: VCP417639
Oil Type: MOBIL SYNTHETIC 10W30
Job No: SWA441468 RYAN CENTR



SAMPLE INFORMATION

Sample Number	VCP417639	VCP406564	---	---
Sample Date	06 Feb 2024	18 Dec 2023	---	---
Machine Hours	640	572	---	---
Oil Hours	140	60	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	ATTENTION	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 11.0	▲ 11.2	---	---
Base Number (BN)	mg KOH/g	█ 9.3	█ 9.4	---	---
Oxidation (PA)	%	75	74	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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	█ 0.1	---	---
Nitration (PA)	%	51	46	---	---
Sulfation (PA)	%	59	59	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	█ 0.7	---	---
Silicon	ppm	█ 8	█ 7	---	---
Sodium	ppm	█ 3	█ 3	---	---
Potassium	ppm	█ 0	█ 1	---	---



WEAR METALS

Iron	ppm	█ 6	█ 5	---	---
Copper	ppm	█ 81	█ 67	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 1	█ 1	---	---
Aluminum	ppm	█ 1	█ 1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 44	█ 45	---	---
Nickel	ppm	█ 1	█ 1	---	---
Titanium	ppm	0	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	<1	█ <1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	█ 1636	█ 1764	---	---
Magnesium	ppm	█ 429	█ 428	---	---
Zinc	ppm	█ 918	█ 964	---	---
Phosphorus	ppm	792	█ 844	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 59	█ 67	---	---

Depot: VOLVO8885
Unique No: 10870365
Signed: Wes Davis
Report Date: 08 Feb 2024



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GRAPHS

