



CONSTRUCTION EQUIPMENT

X47652 BRODERSON IC80 3L 77237580 - DIESEL ENGINE



Sample No: VCP414518
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: X47652



SAMPLE INFORMATION

Sample Number	VCP414518	---	---	---
Sample Date	12 Sep 2023	---	---	---
Machine Hours	731	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

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 PO BOX 16955
 LAKE CHARLES, LA
 US 70616
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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.4	---	---	---
Base Number (BN)	mg KOH/g	■ 6.6	---	---	---
Oxidation (PA)	%	■ 64	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. The water content is negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 80	---	---	---
Sulfation (PA)	%	■ 57	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	■ 0.2	---	---	---
Silicon	ppm	■ 17	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 2	---	---	---



WEAR METALS

Iron	ppm	■ 19	---	---	---
Copper	ppm	■ 220	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 60	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	■ 0	---	---	---



ADDITIVES

Calcium	ppm	■ 1343	---	---	---
Magnesium	ppm	■ 853	---	---	---
Zinc	ppm	■ 1218	---	---	---
Phosphorus	ppm	■ 875	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO6244
Unique No: 10657330
Signed: Doug Bogart
Report Date: 21 Sep 2023



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GRAPHS

