



CONSTRUCTION EQUIPMENT

X47231 BRODERSON IC-S0-3H 557380 - DIESEL ENGINE



Sample No: VCP395477
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: X47231



SAMPLE INFORMATION

Sample Number	VCP395477	---	---	---
Sample Date	13 Jul 2023	---	---	---
Machine Hours	533	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

SCOTT EQUIPMENT COMPANY LLC - Lake Charles
PO BOX 16955
LAKE CHARLES, LA
US 70616
Contact: TINA LEDOUX
tledoux@scottcompanies.com
T: (337)433-9811
F: (318)433-6623



OIL CONDITION

Visc @ 100°C	cSt	▲ 11.3	---	---	---
Base Number (BN)	mg KOH/g	■ 7.4	---	---	---
Oxidation (PA)	%	63	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Tests indicate that there is no fuel present in the oil. 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)	%	83	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.2	---	---	---
Silicon	ppm	■ 17	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 3	---	---	---



WEAR METALS

Iron	ppm	■ 20	---	---	---
Copper	ppm	■ 201	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 62	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 1484	---	---	---
Magnesium	ppm	■ 932	---	---	---
Zinc	ppm	■ 1275	---	---	---
Phosphorus	ppm	■ 909	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO6244
Unique No: 10562268
Signed: Sean Felton
Report Date: 19 Jul 2023



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GRAPHS

Iron (ppm)



Lead (ppm)



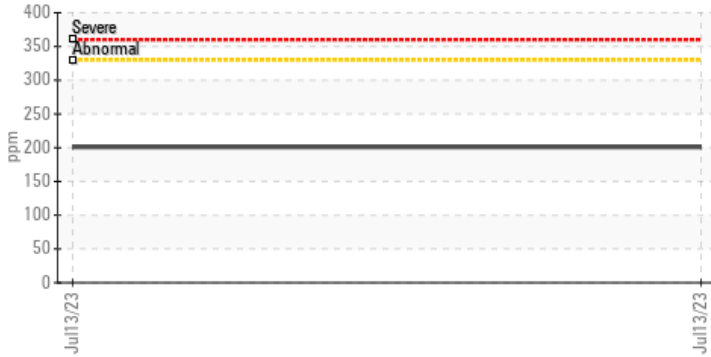
Aluminum (ppm)



Chromium (ppm)



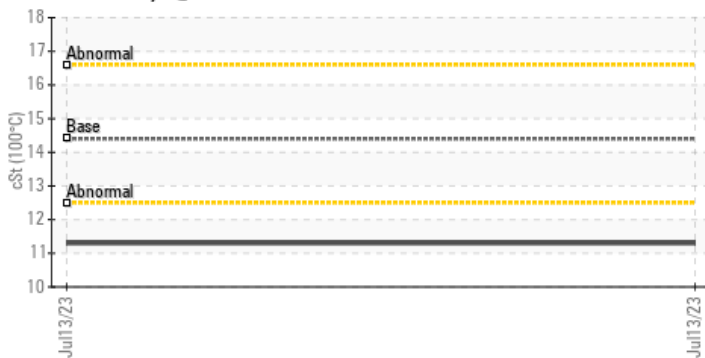
Copper (ppm)



Silicon (ppm)



▲ Viscosity @ 100°C



Base Number

