



CONSTRUCTION EQUIPMENT

X48414 BRODERSON IC-80-3J 033734 - DIESEL ENGINE



Sample No: VCP442756
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: X48414



SAMPLE INFORMATION

Sample Number	VCP442756	---	---	---
Sample Date	18 Jan 2024	---	---	---
Machine Hours	1951	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

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	▲ 16.3	---	---	---
Base Number (BN)	mg KOH/g	▲ 0.0	---	---	---
Oxidation (PA)	%	106	---	---	---

Diagnosis

We advise that you check for faulty combustion, plugged air filters, or aftercoolers. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. NOTE: High solids (carbon/soot) in the sample have limited the accuracy of Infra-Red data including Total Base Number (TBN) value. All component wear rates are normal. There is an abnormal amount of solids and carbon present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The oil viscosity is higher than normal. The BN level is low.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	◆ 5.5	---	---	---
Nitration (PA)	%	162	---	---	---
Sulfation (PA)	%	98	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	▲ 32	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ 0	---	---	---



WEAR METALS

Iron	ppm	■ 92	---	---	---
Copper	ppm	■ 14	---	---	---
Lead	ppm	■ 5	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ 5	---	---	---
Molybdenum	ppm	■ 35	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 1606	---	---	---
Magnesium	ppm	■ 473	---	---	---
Zinc	ppm	■ 999	---	---	---
Phosphorus	ppm	■ 768	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 27	---	---	---

Depot: VOLVO6244
Unique No: 10845917
Signed: Jonathan Hester
Report Date: 26 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

