



CONSTRUCTION EQUIPMENT

X59080 KOBELCO CL-1100GII GH05-04196 - DIESEL ENGINE



Sample No: VCP427311
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: X59080



SAMPLE INFORMATION

Sample Number	VCP427311	VCP379274	---	---
Sample Date	11 Jan 2024	16 Aug 2022	---	---
Machine Hours	6993	4332	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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PO BOX 997
SAINT ROSE, LA
US 70087
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	█ 13.4	---	---
Base Number (BN)	mg KOH/g	█ 8.8	█ 9.1	---	---
Oxidation (PA)	%	65	57	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

All component wear rates are normal. 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 %	%	█ 0.4	█ 1.1	---	---
Nitration (PA)	%	67	83	---	---
Sulfation (PA)	%	52	59	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 4	---	---
Sodium	ppm	█ 2	█ 1	---	---
Potassium	ppm	█ 1	█ 0	---	---



WEAR METALS

Iron	ppm	█ 6	█ 5	---	---
Copper	ppm	█ 1	█ 1	---	---
Lead	ppm	█ <1	█ 1	---	---
Tin	ppm	█ <1	█ 1	---	---
Aluminum	ppm	█ <1	█ <1	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 53	█ 35	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	█ 7	0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 1187	█ 1502	---	---
Magnesium	ppm	█ 893	█ 464	---	---
Zinc	ppm	█ 1261	█ 830	---	---
Phosphorus	ppm	█ 1078	676	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 9	█ 45	---	---

Depot: SCOSAI
Unique No: 10836655
Signed: Wes Davis
Report Date: 20 Jan 2024



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GRAPHS

