



CONSTRUCTION EQUIPMENT

X58572 KOBELCO SK210LC 06375 - DIESEL ENGINE



Sample No: VCP426329
Oil Type: NOT GIVEN
Job No: X58572



SAMPLE INFORMATION

Sample Number	VCP426329	---	---	---
Sample Date	12 Sep 2023	---	---	---
Machine Hours	486	---	---	---
Oil Hours	486	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	▲ 12.3	---	---	---
Base Number (BN)	mg KOH/g	■ 5.7	---	---	---
Oxidation (PA)	%	55	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Metal levels are typical for a components first oil change. There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.



CONTAMINATION

Soot %	%	■ 0.3	---	---	---
Nitration (PA)	%	91	---	---	---
Sulfation (PA)	%	47	---	---	---
Glycol	%	■ 0.0	---	---	---
Fuel	%	▲ 6.5	---	---	---
Silicon	ppm	■ 27	---	---	---
Sodium	ppm	■ 22	---	---	---
Potassium	ppm	■ 165	---	---	---



WEAR METALS

Iron	ppm	■ 35	---	---	---
Copper	ppm	■ 8	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 7	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 156	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 2662	---	---	---
Magnesium	ppm	■ 18	---	---	---
Zinc	ppm	490	---	---	---
Phosphorus	ppm	422	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 80	---	---	---

Depot: SCOSAI
Unique No: 10647157
Signed: Wes Davis
Report Date: 18 Sep 2023



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GRAPHS

