



# OIL ANALYSIS REPORT

WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area

**Dunleavy**

Machine Id

**Kobelco SK210L YOO8U1288**

Component

**Swing Drive**

Fluid

**GEAR OIL SAE 80W90 (--- GAL)**

## RECOMMENDATION

We advise that you check for the source of water entry. We recommend an early resample to monitor this condition.

## WEAR

Gear wear is indicated. All other component wear rates are normal.

## CONTAMINATION

Appearance is hazy. There is a high concentration of water present in the oil.

## FLUID CONDITION

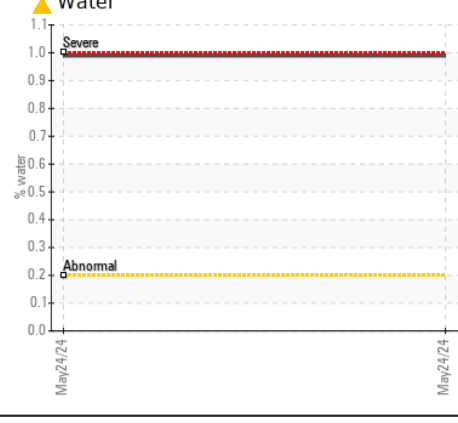
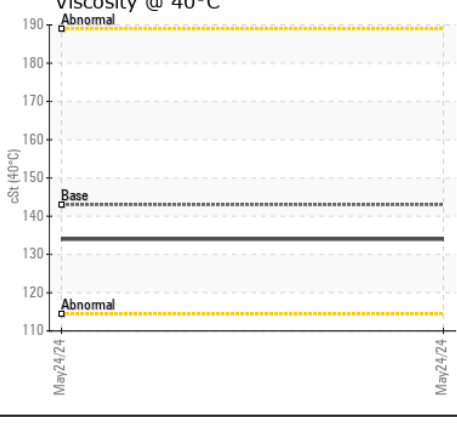
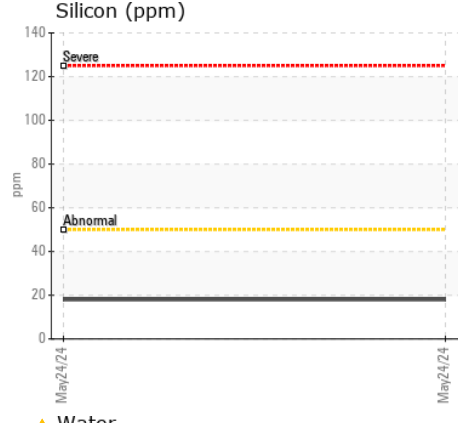
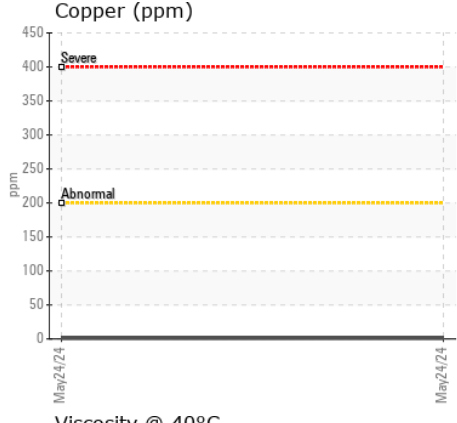
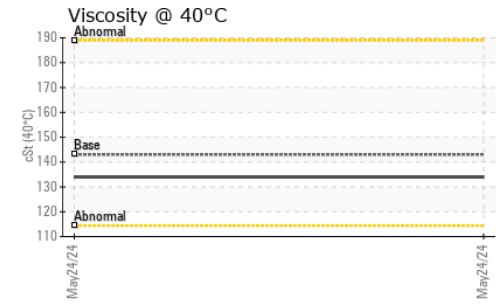
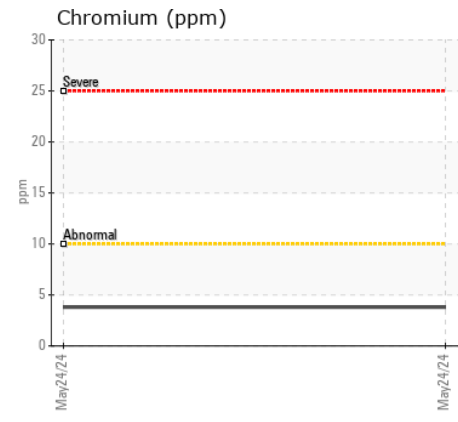
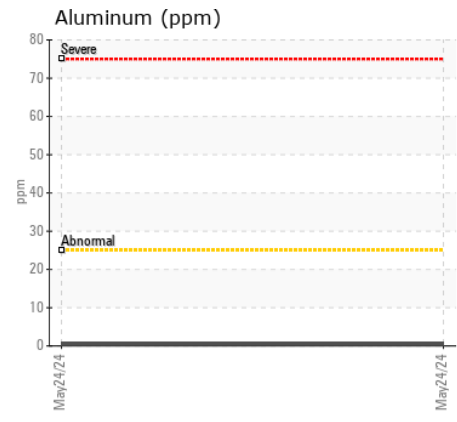
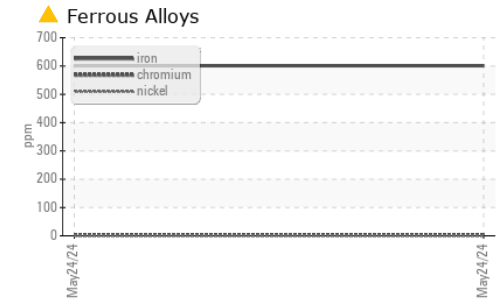
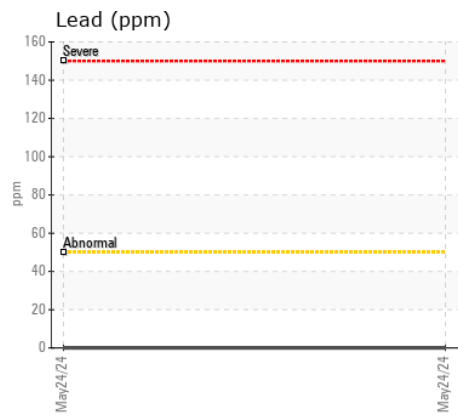
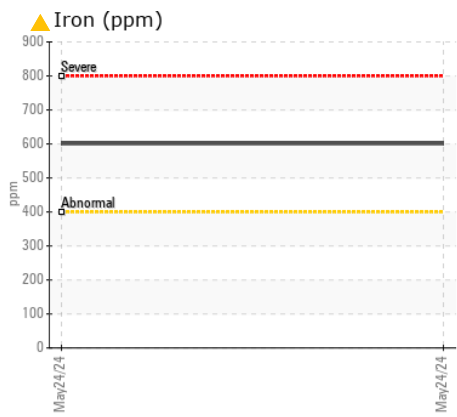
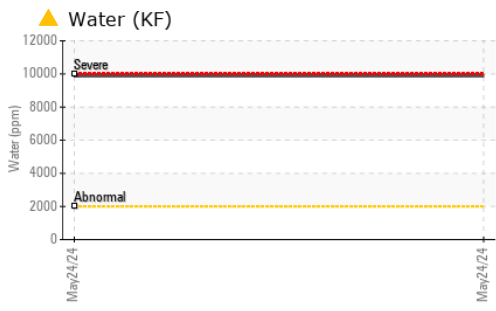
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LW0009069	---	---
Sample Date		Client Info		24 May 2024	---	---
Machine Age	hrs	Client Info		10073	---	---
Oil Age	hrs	Client Info		10073	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

Iron	ppm	ASTM D5185m	>400	▲ 601	---	---
Chromium	ppm	ASTM D5185m	>10	4	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>25	<1	---	---
Lead	ppm	ASTM D5185m	>50	0	---	---
Copper	ppm	ASTM D5185m	>200	1	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

Silicon	ppm	ASTM D5185m	>50	18	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---
Water	%	ASTM D6304	>0.2	▲ 0.989	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 9890	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	● HAZY	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	▲ 0.2%	---	---

Sodium	ppm	ASTM D5185m	>170	0	---	---
Boron	ppm	ASTM D5185m	400	2	---	---
Barium	ppm	ASTM D5185m	200	0	---	---
Molybdenum	ppm	ASTM D5185m	12	0	---	---
Manganese	ppm	ASTM D5185m		4	---	---
Magnesium	ppm	ASTM D5185m	12	<1	---	---
Calcium	ppm	ASTM D5185m	150	14	---	---
Phosphorus	ppm	ASTM D5185m	1650	318	---	---
Zinc	ppm	ASTM D5185m	125	11	---	---
Sulfur	ppm	ASTM D5185m	22500	20019	---	---
Visc @ 40°C	cSt	ASTM D445	143	134	---	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LW0009069 **Received** : 31 May 2024  
**Lab Number** : 06197104 **Tested** : 03 Jun 2024  
**Unique Number** : 11059227 **Diagnosed** : 04 Jun 2024 - Don Baldrige  
**Test Package** : MOB 1 ( Additional Tests: KF )

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Certificate L2367  
 To discuss this sample report, contact Customer Service at 1-800-237-1369.  
 \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.  
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)