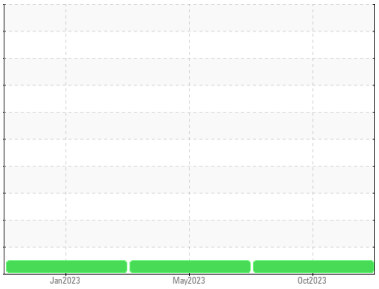
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id
KOBELCO SK210C SK210C
Component
Left Final Drive
Fluid
GEAR OIL SAE 80W90 (2 GAL)

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
There is no indication of any contamination in the fluid.

Fluid Condition
The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0874516**	CL0004267	CL0003900
Sample Date		Client Info		**12 Oct 2023**	09 May 2023	11 Jan 2023
Machine Age	hrs	Client Info		**1510**	1016	503
Oil Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**Changed**	Changed	Changed
Sample Status				**NORMAL**	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	**43**	70	128
Chromium	ppm	ASTM D5185m	>10	**<1**	0	2
Nickel	ppm	ASTM D5185m	>10	**<1**	0	0
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	**<1**	<1	1
Lead	ppm	ASTM D5185m	>25	**0**	0	0
Copper	ppm	ASTM D5185m	>50	**1**	0	<1
Tin	ppm	ASTM D5185m	>10	**1**	0	0
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	**89**	183	10
Barium	ppm	ASTM D5185m	200	**19**	0	0
Molybdenum	ppm	ASTM D5185m	12	**1**	0	<1
Manganese	ppm	ASTM D5185m		**<1**	<1	2
Magnesium	ppm	ASTM D5185m	12	**2**	7	2
Calcium	ppm	ASTM D5185m	150	**27**	28	17
Phosphorus	ppm	ASTM D5185m	1650	**680**	724	265
Zinc	ppm	ASTM D5185m	125	**36**	12	0
Sulfur	ppm	ASTM D5185m	22500	**27727**	19338	18588

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	**6**	3	9
Sodium	ppm	ASTM D5185m	>170	**2**	0	2
Potassium	ppm	ASTM D5185m	>20	**<1**	0	<1

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**MODER**	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	143	**142**	129	143

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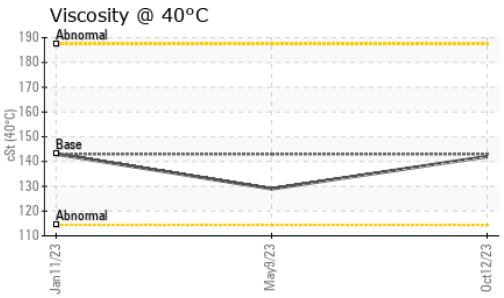
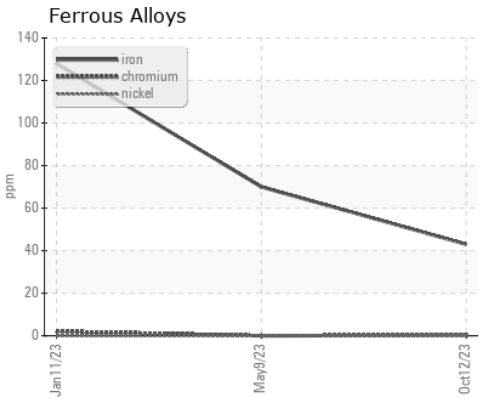
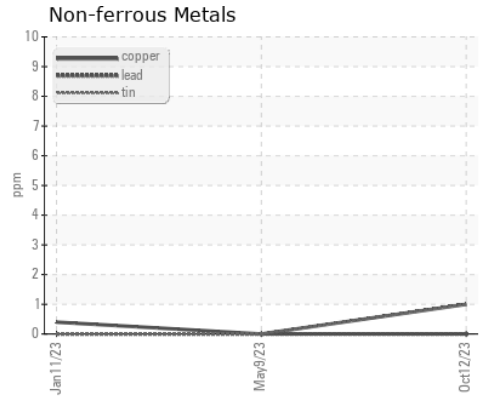
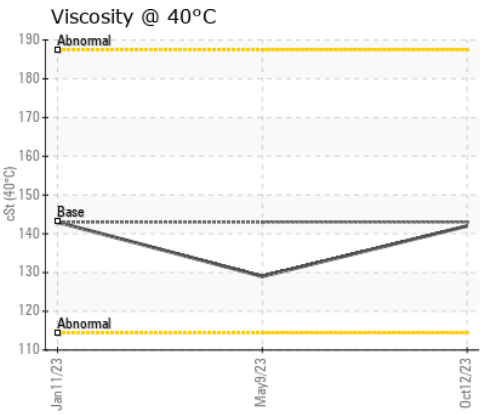


SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS







Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: WC0874516	**Received**	: 30 Oct 2023
Lab Number	: 05993870	**Diagnosed**	: 01 Nov 2023
Unique Number	: 10722230	**Diagnostician**	: Sean Felton
Test Package	: CONST		

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)

AMERICAN SITE AND UTILITY
10902 CANDILARA LN
MIDLAND, NC
US 28107
Contact: TIM PRESTON
tpreston.asu@gmail.com
T: (704)787-1557
F: