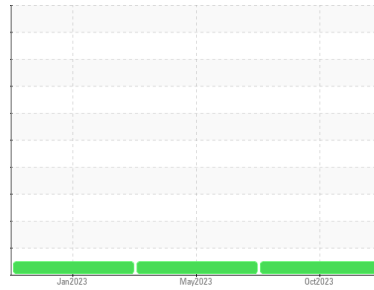




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
KOBELCO SK210C SK210C

Component
Right Final Drive

Fluid
GEAR OIL SAE 80W90 (2)

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		WC0874515	CL0004268	CL0003901
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	28	71	123
Chromium	ppm	ASTM D5185m >10	<1	<1	3
Nickel	ppm	ASTM D5185m >10	<1	0	<1
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	93	200	64
Barium	ppm	ASTM D5185m 200	19	0	0
Molybdenum	ppm	ASTM D5185m 12	1	0	0
Manganese	ppm	ASTM D5185m	<1	<1	3
Magnesium	ppm	ASTM D5185m 12	2	8	<1
Calcium	ppm	ASTM D5185m 150	26	66	5
Phosphorus	ppm	ASTM D5185m 1650	672	742	417
Zinc	ppm	ASTM D5185m 125	36	25	5
Sulfur	ppm	ASTM D5185m 22500	28185	18217	16459

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	6	4	13
Sodium	ppm	ASTM D5185m >170	2	<1	2
Potassium	ppm	ASTM D5185m >20	<1	0	2

VISUAL

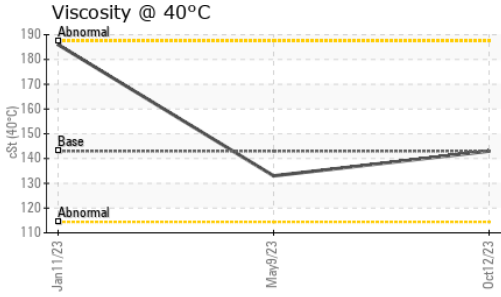
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	NONE	NONE	NONE
Debris	scalar	*Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	NONE	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	143	133	186

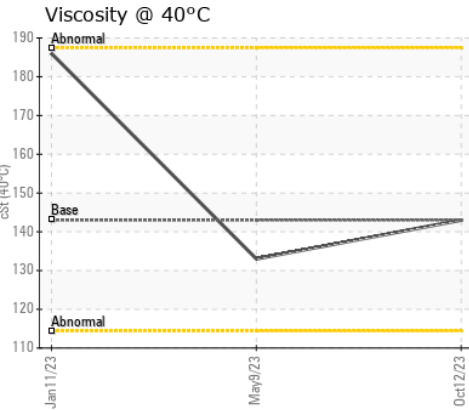
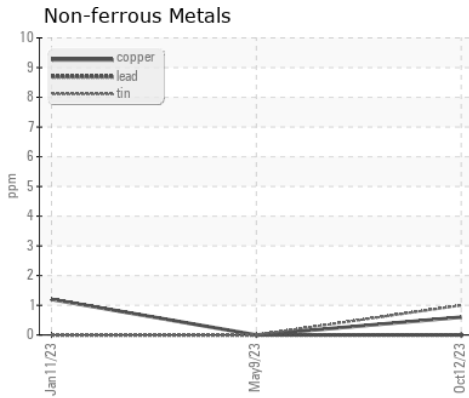
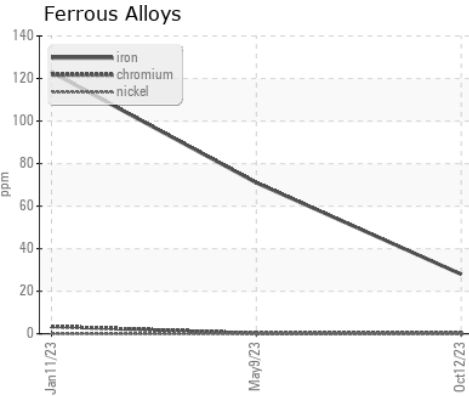


OIL ANALYSIS REPORT



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. : WC0874515 **Received** : 30 Oct 2023
Lab Number : *05993871 **Diagnosed** : 01 Nov 2023
Unique Number : 10722231 **Diagnostician** : Sean Felton
Test Package : CONST

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

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)