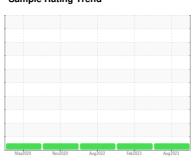


# **OIL ANALYSIS REPORT**

#### Sample Rating Trend



NORMAL



# KOBELCO 17J6117682

Component

Compressor

RO 46 (--- GAL)

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the

### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

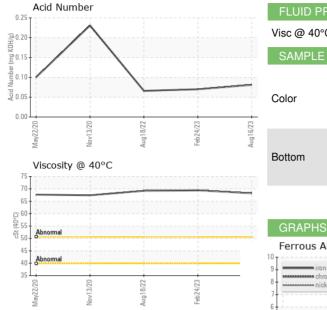
		May2020	Nov2020	Aug2022 Feb2023	Aug2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0800020	WC0735877	WC0705533
Sample Date		Client Info		16 Aug 2023	24 Feb 2023	18 Aug 2022
Machine Age	hrs	Client Info		41493	39688	37349
Oil Age	hrs	Client Info		1806	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	2
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	<1	0
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	0	0	<1
Tin	ppm	ASTM D5185m	>15	0	0	0
Antimony	ppm	ASTM D5185m				
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		0	0	0
Barium		ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium		ASTM D5185m		<1	0	<1
Calcium	ppm	ASTM D5185m		0	0	<1
	ppm	ASTM D5185m		4	50	11
Phosphorus Zinc	ppm	ASTM D5185m		0	0	0
Zillo Sulfur	ppm	ASTM D5185m		10	0	93
	ppm		lineit/lenen			
CONTAMINANTS Silicon		method ASTM D5185m	limit/base	current	history1	history2
	ppm		>20	0	0	0
Sodium	ppm	ASTM D5185m	00	0		
Potassium	ppm		>20	<1	0	0
FLUID DEGRADA Acid Number (AN)	mg KOH/g	method ASTM D8045	limit/base	current 0.081	history1 0.07	history2 0.066
VISUAL	ing Northy	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	LIGHT	NONE	NONE
Debris		*Visual	NONE	NONE	LIGHT	LIGHT
	scalar					
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	>0.1	NEG	NEG	NEG

NEG

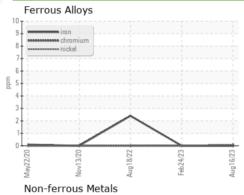
n: JANEYE BENSONNECEBUR

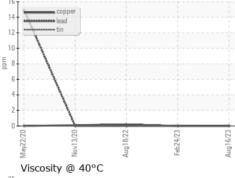


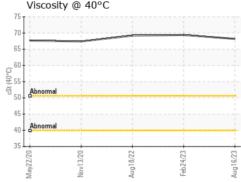
## **OIL ANALYSIS REPORT**

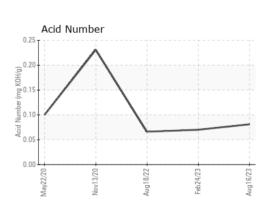














Laboratory Sample No. Lab Number Unique Number : 10615038

: 05929767

: WC0800020

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

: 21 Aug 2023 Diagnosed Diagnostician : Jonathan Hester

: 23 Aug 2023

BURNSVILLE, MN US 55337

Contact: JAYME BENSON

1400 EAST BLACK DOG RD

Test Package : IND 2 (Additional Tests: KF) 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) T: (952)895-4125

**XCEL ENERGY** 

F: