MOB WEAR CHECK

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
BAUER B628-H 4160291 (S/N 4038)
Component
Upper Crowd Winch Drive
Fluid
GEAR OIL ISO 220 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

The iron level is abnormal. All other component wear rates are normal.

CONTAMINATION

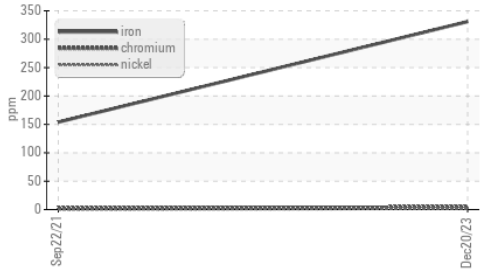
There is no indication of any contamination in the oil.

FLUID CONDITION

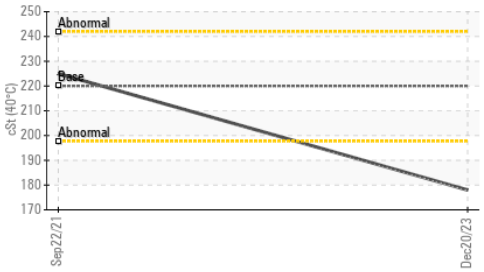
The oil viscosity is lower than normal. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**WC0602128**	WC0602103	---
Sample Date		Client Info		**20 Dec 2023**	22 Sep 2021	---
Machine Age	hrs	Client Info		**5539**	2514	---
Oil Age	hrs	Client Info		**1000**	30	---
Filter Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**Changed**	Not Changd	---
Filter Changed		Client Info		**N/A**	Not Changd	---
Sample Status				**ABNORMAL**	SEVERE	---
Iron	ppm	ASTM D5185m	>200	▲ **331**	154	---
Chromium	ppm	ASTM D5185m	>10	**5**	2	---
Nickel	ppm	ASTM D5185m	>10	**1**	0	---
Titanium	ppm	ASTM D5185m		**0**	0	---
Silver	ppm	ASTM D5185m		**0**	<1	---
Aluminum	ppm	ASTM D5185m		**<1**	1	---
Lead	ppm	ASTM D5185m		**0**	0	---
Copper	ppm	ASTM D5185m		**0**	<1	---
Tin	ppm	ASTM D5185m		**0**	0	---
Vanadium	ppm	ASTM D5185m		**0**	0	---
White Metal	scalar	*Visual	NONE	**NONE**	MODER	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Silicon	ppm	ASTM D5185m		**6**	4	---
Potassium	ppm	ASTM D5185m	>20	**0**	0	---
Water		WC Method	>0.2	**NEG**	NEG	---
Silt	scalar	*Visual	NONE	**MODER**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	---
Appearance	scalar	*Visual	NORML	**NORML**	▲ MILKY	---
Odor	scalar	*Visual	NORML	**NORML**	NORML	---
Emulsified Water	scalar	*Visual	>0.2	**NEG**	NEG	---
Sodium	ppm	ASTM D5185m		**2**	0	---
Boron	ppm	ASTM D5185m	50	**4**	16	---
Barium	ppm	ASTM D5185m	15	**0**	0	---
Molybdenum	ppm	ASTM D5185m	15	**0**	<1	---
Manganese	ppm	ASTM D5185m		**2**	<1	---
Magnesium	ppm	ASTM D5185m	50	**2**	1	---
Calcium	ppm	ASTM D5185m	50	**9**	22	---
Phosphorus	ppm	ASTM D5185m	350	**127**	234	---
Zinc	ppm	ASTM D5185m	100	**5**	6	---
Sulfur	ppm	ASTM D5185m	12500	**6222**	5576	---
Visc @ 40°C	cSt	ASTM D445	220	▲ **178**	225	---

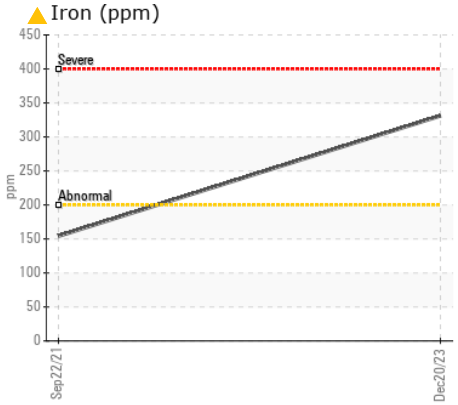
Ferrous Alloys



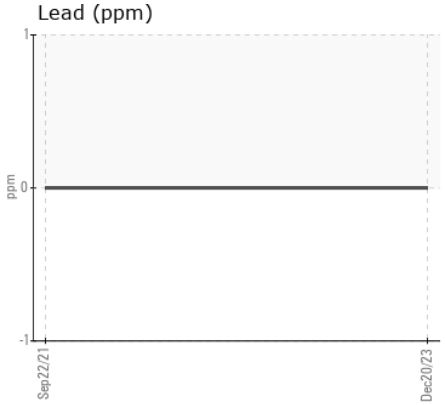
Viscosity @ 40°C



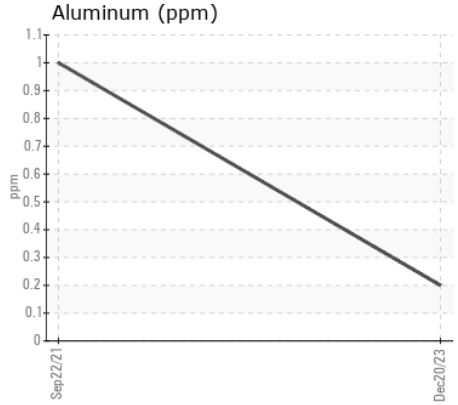
Iron (ppm)



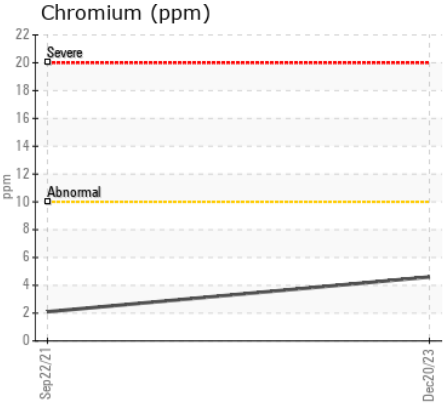
Lead (ppm)



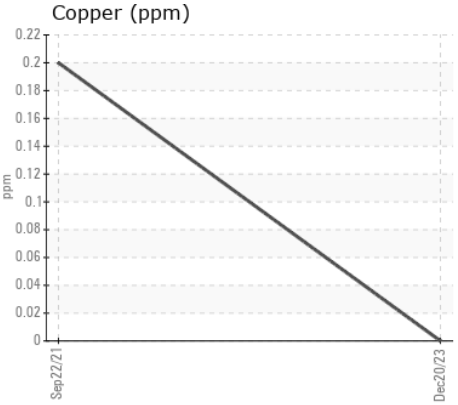
Aluminum (ppm)



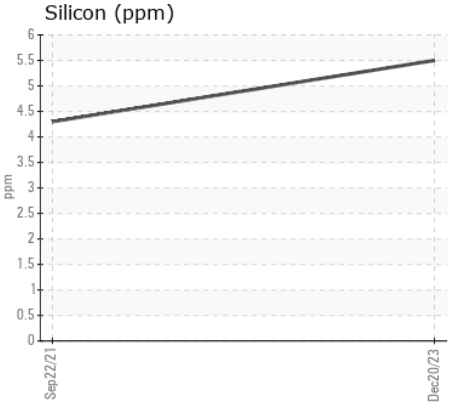
Chromium (ppm)



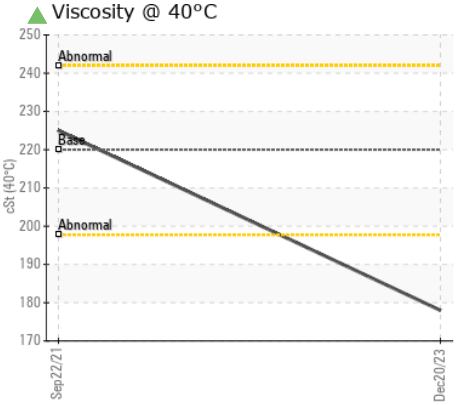
Copper (ppm)



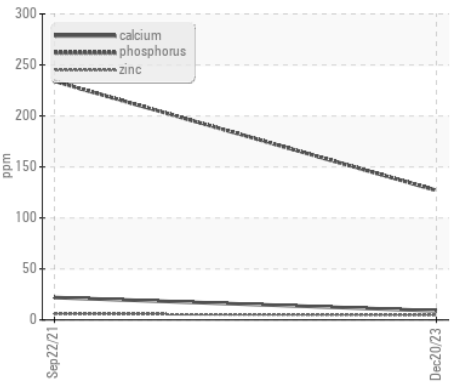
Silicon (ppm)



Viscosity @ 40°C



Additives



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0602128
Lab Number : 06084377
Unique Number : 10871822
Test Package : MOBCE

Received : 08 Feb 2024
Tested : 09 Feb 2024
Diagnosed : 12 Feb 2024 - Sean Felton

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)

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