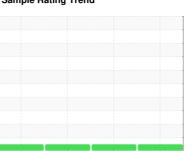


# **OIL ANALYSIS REPORT**

### Sample Rating Trend



**NORMAL** 



# BOBCAT S160 BOBCAT S160

Component

**Diesel Engine** 

**NOT GIVEN (--- 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

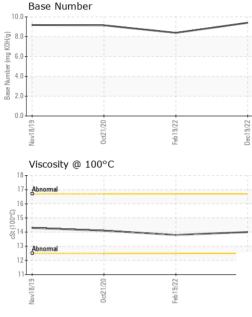
## **Fluid Condition**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Mov2019 0xz0220 Feb2022 0xc2022						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0721151	WC0570548	WC0468963
Sample Date		Client Info		19 Dec 2022	19 Feb 2022	21 Oct 2020
Machine Age	hrs	Client Info		3147	3042	2868
Oil Age	hrs	Client Info		150	180	300
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	٧	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	2	4	6
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	0	<1	0
Lead	ppm	ASTM D5185m	>40	<1	<1	<1
Copper	ppm	ASTM D5185m	>330	<1	<1	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Antimony	ppm	ASTM D5185m			<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		11	19	19
Barium	ppm	ASTM D5185m		12	0	0
Molybdenum	ppm	ASTM D5185m		54	56	59
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		802	921	827
Calcium	ppm	ASTM D5185m		955	1063	991
Phosphorus	ppm	ASTM D5185m		900	993	936
Zinc	ppm	ASTM D5185m		1089	1158	1086
Sulfur	ppm	ASTM D5185m		2983	2617	2589
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	6	3
Sodium	ppm	ASTM D5185m		1	2	0
Potassium	ppm	ASTM D5185m	>20	0	1	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	5.3	5.6	6.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.8	16.8	18.4
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.7	12.8	14
Base Number (BN)	mg KOH/g	ASTM D2896		9.41	8.39	9.15
	39					

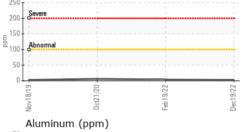


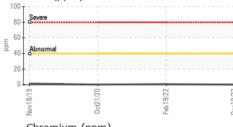
# **OIL ANALYSIS REPORT**

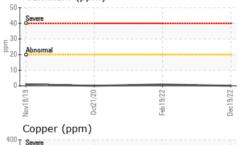


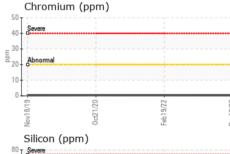
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FILLID DDODEDTIES					histom (O	
FLUID PROPERTIES		method				history2

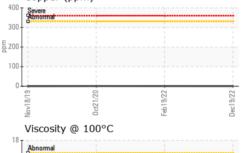
Visc @ 100°C	cSt	ASTM D445	14.0	13.8	14.1
GRAPHS					
Iron (ppm)			Lead (ppm)		

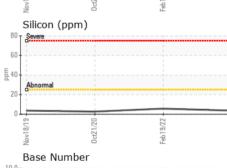


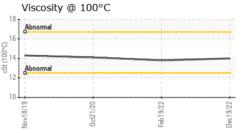


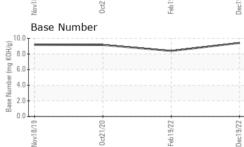
















Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0721151 : 05747287

: 10306891

Received : 23 Jan 2023 : 24 Jan 2023 Diagnosed Diagnostician : Wes Davis

TRESCA BROS SAND & GRAVEL INC

66 MAIN ST MILLIS, MA US 02054

F: (508)376-4333

Contact: FRAN ROSSI frossi@trescaconcrete.com T: (508)376-2957

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)