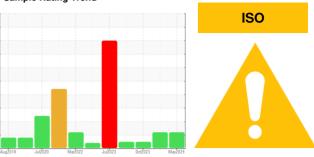


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# KDE 30 (S/N 1736-725)

Component Gearbox

Fluid

MOBIL SHC CIBUS 220 (--- GAL)

### DIAGNOSIS

#### Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

## Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

#### **Fluid Condition**

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

		Aug2018	Jul2020 Mar2022	Jul2023 0ct2023	May2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0914833	WC0677995	WC0677992
Sample Date		Client Info		08 May 2024	23 Jan 2024	17 Oct 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	<1	12	12
Chromium	ppm	ASTM D5185m	>15	<1	<1	0
Nickel	ppm	ASTM D5185m	>15	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	0	<1	0
Lead	ppm	ASTM D5185m	>100	0	<1	0
Copper	ppm	ASTM D5185m	>200	6	32	23
Tin	ppm	ASTM D5185m	>25	<1	3	2
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		1	5	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		0	2	0
Phosphorus	ppm	ASTM D5185m		563	473	466
Zinc	ppm	ASTM D5185m		4	27	10
Sulfur	ppm	ASTM D5185m		552	537	593
CONTAMINANTS	)	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2	2	2
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	0	1	1
Water	%	ASTM D6304	>0.2	0.102		0.045
ppm Water	ppm	ASTM D6304	>2000	1020		450
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<b>97159</b>	<u></u> 115660	
Particles >6µm		ASTM D7647	>5000	<u> </u>	<u>▲</u> 17955	
Particles >14μm		ASTM D7647	>640	164	59	
Particles >21μm		ASTM D7647	>160	16	11	
Particles >38μm		ASTM D7647	>40	0	1	
Particles >71μm		ASTM D7647	>10	0	0	
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u>4</u> 24/21/15	<u>4</u> 24/21/13	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A si al Niversala au (ANI)		4 OTM D00 45		0.27	0.20	0.00

Acid Number (AN)

mg KOH/g ASTM D8045

0.30

0.37

0.28



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0914833 Lab Number : 06178711 Unique Number : 11030037

Received **Tested** 

: 20 May 2024 Diagnosed : 20 May 2024 - Jonathan Hester Test Package : IND 2 ( Additional Tests: KF, PrtCount )

: 14 May 2024

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.

US 73089 Contact: SCOTTY SCOTT sscott@braums.com;maintenanceoffice@braums.com

**BRAUM'S ICE CREAM PLANT** 

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: BRATUTOK [WUSCAR] 06178711 (Generated: 05/20/2024 14:57:07) Rev: 1

Contact/Location: SCOTTY SCOTT - BRATUTOK

**PO BOX 725** 

TUTTLE, OK

T: (405)381-4427

F: (405)381-2051