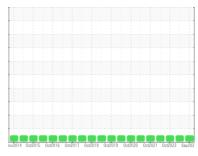


# **OIL ANALYSIS REPORT**

# **COMPOUND** MT K - AGITATOR

Component Gearbox

SHELL OMALA S2 G 220 (13 GAL)



Sample Rating Trend



### 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 oil. The amount and size of particulates present in the system are acceptable.

### **Fluid Condition**

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

		lov2014 Oct201	5 Oct2016 Oct2017 Oct2	018 Oct2019 Oct2020 Oct2021 O	ct2022 Sep202	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0855202	WC0802654	WC0741891
Sample Date		Client Info		28 Sep 2023	30 Mar 2023	10 Oct 2022
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	1	<1	1
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	0	0
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m	>200	0	0	<1
Tin	ppm	ASTM D5185m	>25	0	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	4.4	0	1	1
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	<1	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	0	2	0	2
Calcium	ppm	ASTM D5185m	0	9	10	21
Phosphorus	ppm	ASTM D5185m	215	292	307	284
Zinc	ppm	ASTM D5185m	0	0	0	16
Sulfur	ppm	ASTM D5185m	7039	10553	13355	12323
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1	1	2
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	0	2	0
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	5652	4740	7256
Particles >6µm		ASTM D7647	>5000	1250	988	1775
Particles >14μm		ASTM D7647	>640	96	57	81
Particles >21µm		ASTM D7647	>160	24	9	9
Particles >38µm		ASTM D7647	>40	2	2	0
Particles >71µm		ASTM D7647	>10	1	1	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	20/17/14	19/17/13	20/18/14
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
A -t-I NiI (AAD)	1/0111	AOTH BOS :=		0.00	0.40	0.40

Acid Number (AN) mg KOH/g ASTM D8045

0.40

0.36

0.42



## **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No.

Lab Number **Unique Number** 

: 05965330 : 10671881

: WC0855202

Received : 29 Sep 2023 : 02 Oct 2023 Diagnosed Diagnostician : Don Baldridge

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

Test Package : IND 2 ( Additional Tests: PrtCount ) 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)

**LUBRIZOL ADVANCED MATERIALS INC** 

207 TELEGRAPH DR GASTONIA, NC US 28056

Contact: TIMOTHY DAVIS timothy.davis@lubrizol.com

T: (704)915-4131 F: x:

Report Id: LUBGAS [WUSCAR] 05965330 (Generated: 10/05/2023 02:14:32) Rev: 1