

OIL ANALYSIS REPORT

Sample Rating Trend







COMPOUND Machine II 5-DR MIXER - AGITATOR

Gearbox

Fluid

SHELL OMALA S4 WE 460 (0 GAL)

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Recommendation

Resample at the next service interval to monitor.

Woor

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.

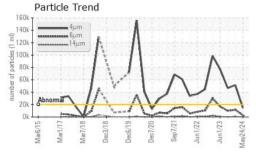
Fluid Condition

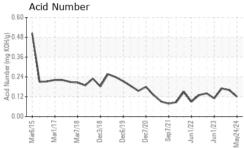
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

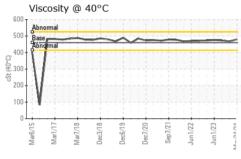
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0915914	WC0813294	WC0832227
Sample Date		Client Info		24 May 2024	27 Nov 2023	29 Aug 2023
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	0	0	4
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	0	<1	0
Lead	ppm	ASTM D5185m	>100	0	<1	0
Copper	ppm	ASTM D5185m	>200	0	<1	0
Tin	ppm	ASTM D5185m	>25	0	2	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	4	3
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	<1	4
Calcium	ppm	ASTM D5185m		<1	0	10
Phosphorus	ppm	ASTM D5185m		430	398	440
Zinc	ppm	ASTM D5185m		0	1	18
Sulfur	ppm	ASTM D5185m		0	647	145
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	4	7	6
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	<1	6	5
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	14419	<u></u> 51457	<u> </u> 46706
Particles >6µm		ASTM D7647	>5000	2731	<u>▲</u> 11645	9896
Particles >14µm		ASTM D7647	>640	110	524	325
Particles >21µm		ASTM D7647	>160	24	138	66
Particles >38µm		ASTM D7647	>40	1	6	2
Particles >71µm		ASTM D7647	>10	0	0	1
Oil Cleanliness		ISO 4406 (c)	>21/19/16	21/19/14	<u>△</u> 23/21/16	23/20/16
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

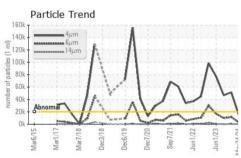


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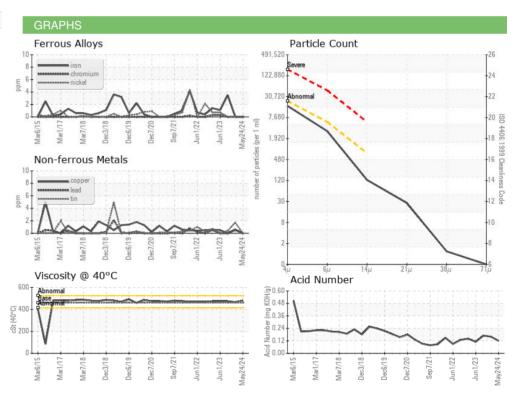


VISUAL		method				history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

FLUID PROPER	TIES	method				history2
Visc @ 40°C	cSt	ASTM D445	460	480	467	473

SAMPLE IMAGES	method		
Color			









Certificate 12367

Laboratory Sample No.

Lab Number : 06197615 Unique Number : 11059738

: WC0915914

Bottom

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

Received **Tested** Diagnosed

: 03 Jun 2024 : 04 Jun 2024

: 05 Jun 2024 - Doug Bogart

LUBRIZOL ADVANCED MATERIALS INC 207 TELEGRAPH DR GASTONIA, NC

US 28056 Contact: TIMOTHY DAVIS timothy.davis@lubrizol.com

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.

Test Package : IND 2 (Additional Tests: PrtCount)

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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