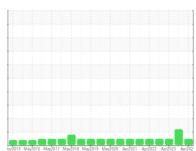


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



COMPOUND MT E - AGITATOR

Gearbox

SHELL OMALA S2 G 220 (9 GAL)

DI	$^{\prime}$	чι	\sim	U	${}^{\circ}$

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.

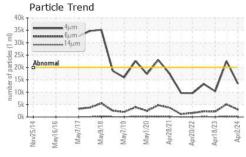
		1012017 May20	io mayzoir mayzoio mayz	019 May2020 Apr2021 Apr2022 A	preves Apreve	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0894992	WC0813299	WC0771461
Sample Date		Client Info		02 Apr 2024	13 Oct 2023	18 Apr 2023
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ATTENTION	NORMAL
CONTAMINATION	٧	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	4	1	2
Chromium	ppm	ASTM D5185m	>15	<1	<1	0
Nickel	ppm	ASTM D5185m	>15	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	2	0
Lead	ppm	ASTM D5185m	>100	1	0	0
Copper	ppm	ASTM D5185m	>200	<1	<1	<1
Tin	ppm	ASTM D5185m	>25	1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	4.4	0	0	0
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	1	0	<1
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	0	<1	<1	<1
Calcium	ppm	ASTM D5185m	0	15	12	13
Phosphorus	ppm	ASTM D5185m	215	302	288	274
Zinc	ppm	ASTM D5185m	0	9	3	9
Sulfur	ppm	ASTM D5185m	7039	11941	10489	10655
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	4	4	4
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	<1	1	<1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	13401	22525	10340
Particles >6µm		ASTM D7647	>5000	2960	5130	2192
Particles >14μm		ASTM D7647	>640	148	286	59
Particles >21µm		ASTM D7647	>160	38	76	7
Particles >38μm		ASTM D7647	>40	2	3	0
Particles >71μm		ASTM D7647	>10	1	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	21/19/14	22/20/15	21/18/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

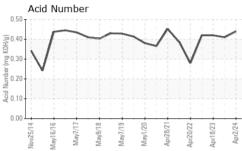
Acid Number (AN)

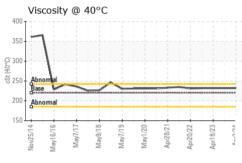
mg KOH/g ASTM D8045

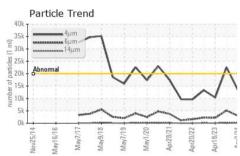


OIL ANALYSIS REPORT









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	LIGHT	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
FILLID DDODED						

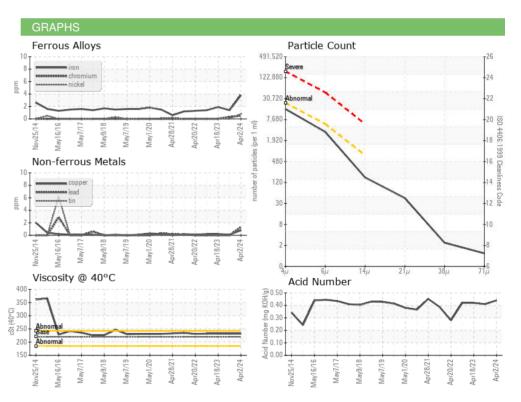
I LOID I NOI LIN	IIILO	memou			HISTOLAL	HISTOLYZ
Visc @ 40°C	cSt	ASTM D445	220	232	232	232

SAMPLE IMAGES	method	limit/base	current	history1	history2

Color











Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0894992 Lab Number : 06147315

Received **Tested** Unique Number : 10977393 Diagnosed

: 12 Apr 2024 : 15 Apr 2024

: 16 Apr 2024 - Don Baldridge

LUBRIZOL ADVANCED MATERIALS INC 207 TELEGRAPH DR GASTONIA, NC US 28056

Contact: TIMOTHY DAVIS timothy.davis@lubrizol.com T: (704)915-4131

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)

Test Package : IND 2 (Additional Tests: PrtCount)

F: x: