



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL

Machine Id
5073
Component
Gearbox
Fluid
SHELL OMALA 68 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is a light concentration of water present in the oil.

FLUID CONDITION

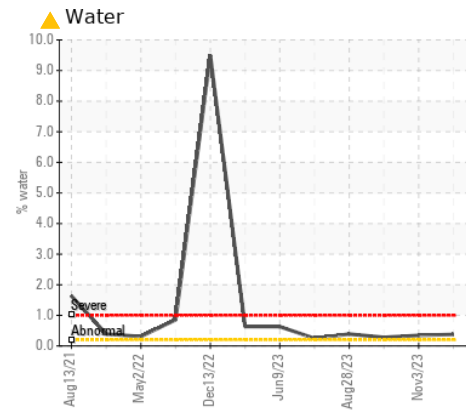
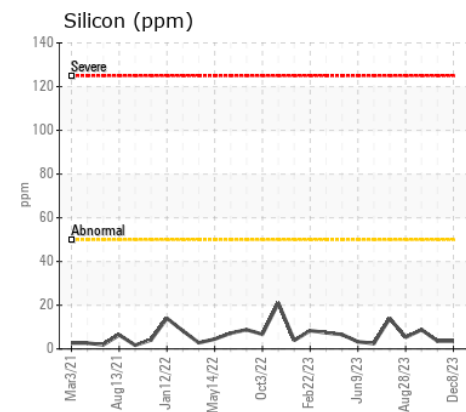
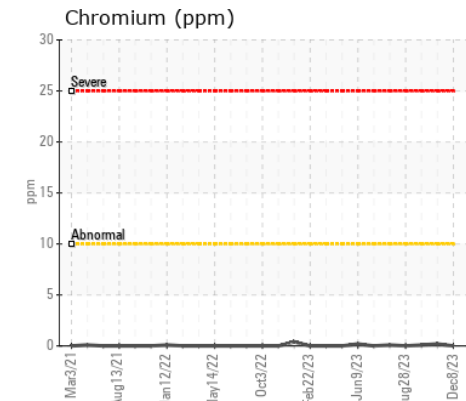
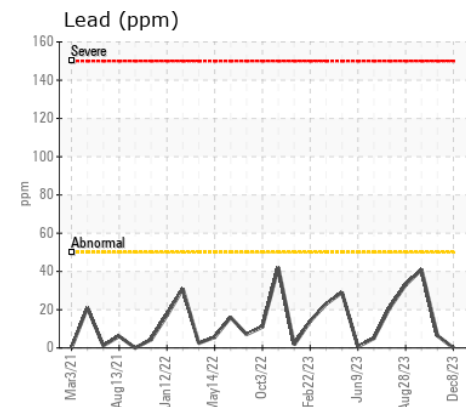
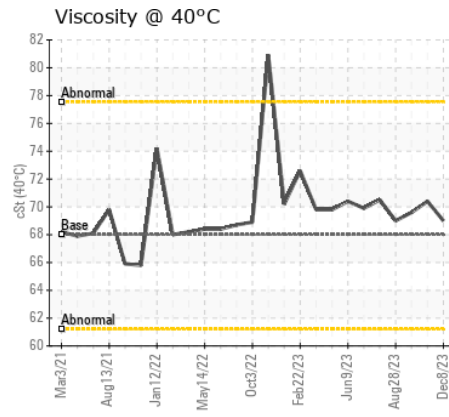
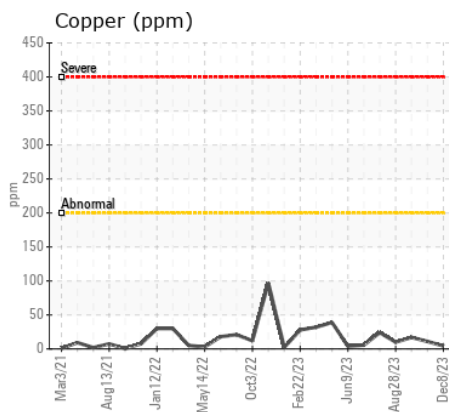
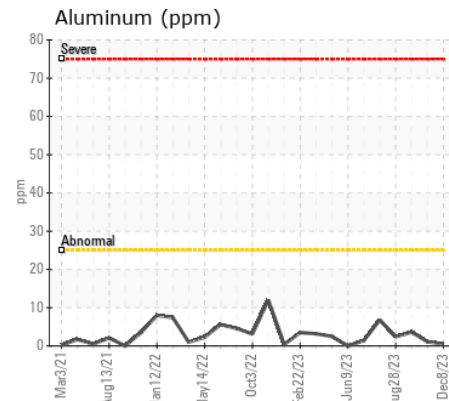
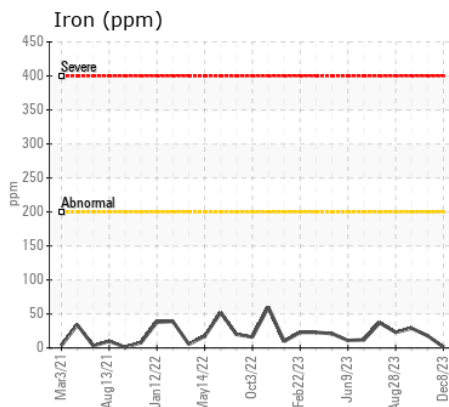
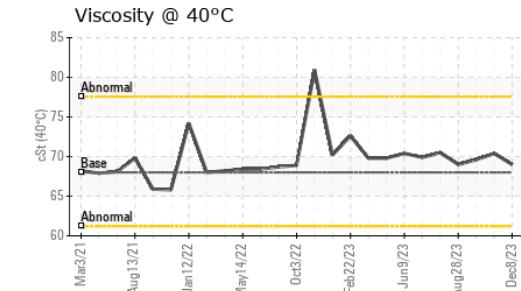
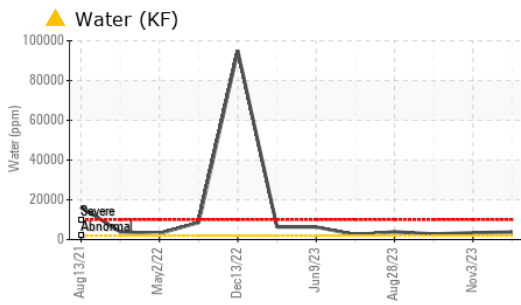
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0840639	WC0840617	WC0819294
Sample Date		Client Info		08 Dec 2023	03 Nov 2023	12 Sep 2023
Machine Age	hrs	Client Info		5096	4881	4546
Oil Age	hrs	Client Info		539	324	520
Filter Age	hrs	Client Info		539	324	520
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				MARGINAL	ABNORMAL	MARGINAL

Iron	ppm	ASTM D5185m	>200	2	18	29
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	1	4
Lead	ppm	ASTM D5185m	>50	0	6	41
Copper	ppm	ASTM D5185m	>200	4	11	17
Tin	ppm	ASTM D5185m	>10	0	1	4
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>50	4	4	9
Potassium	ppm	ASTM D5185m	>20	0	2	1
Water	%	ASTM D6304	>0.2	▲ 0.376	▲ 0.346	▲ 0.281
ppm Water	ppm	ASTM D6304	>2000	▲ 3760	▲ 3460	▲ 2810
Silt	scalar	*Visual	NONE	NONE	MODER	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	▲ HAZY	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	0.2%	0.2%	0.2%

Sodium	ppm	ASTM D5185m		0	0	<1
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		<1	<1	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		4	<1	<1
Calcium	ppm	ASTM D5185m		11	1	17
Phosphorus	ppm	ASTM D5185m		279	210	198
Zinc	ppm	ASTM D5185m		11	0	7
Sulfur	ppm	ASTM D5185m		8702	9750	8684
Visc @ 40°C	cSt	ASTM D445	68.0	69.0	70.4	69.6



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0840639 **Received** : 16 Jan 2024
Lab Number : 06062234 **Diagnosed** : 18 Jan 2024
Unique Number : 10833616 **Diagnostician** : Don Baldridge
Test Package : MOB 1 (Additional Tests: KF)

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Certificate L2367
 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)