



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
GENEV
Machine Id
ZF 20035709 - INBOARD
Component
Port Gearbox
Fluid
SHELL ROTELLA T 30 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

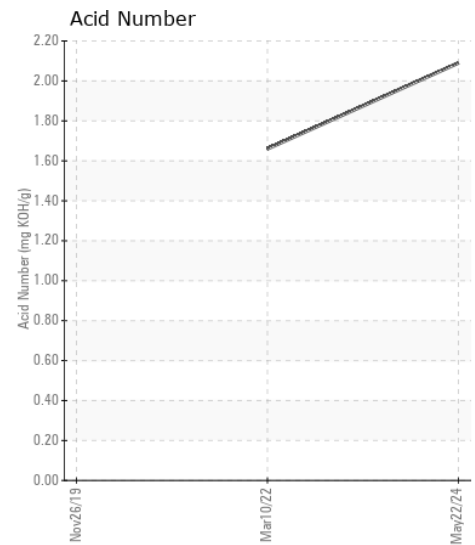
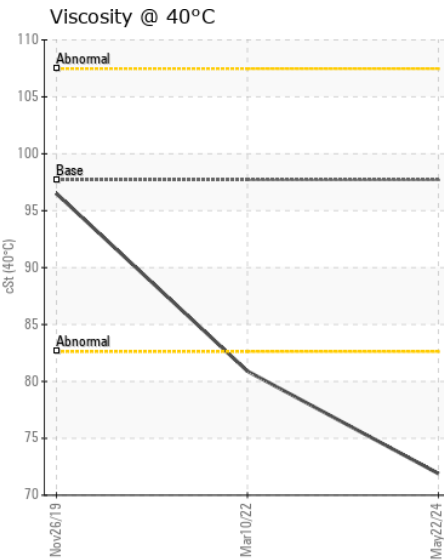
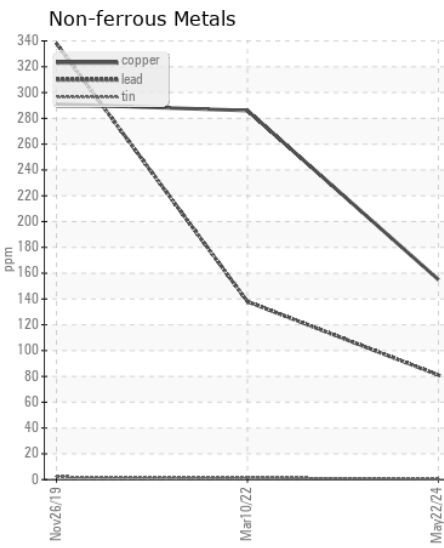
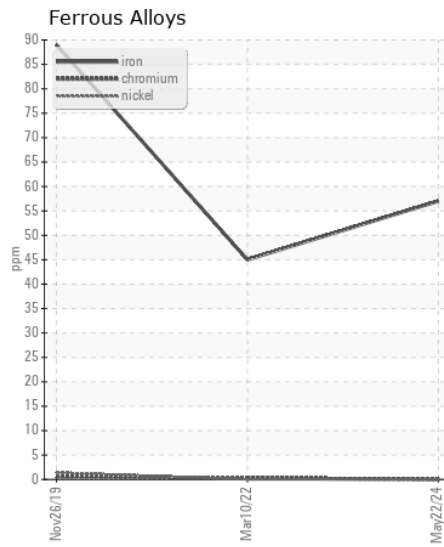
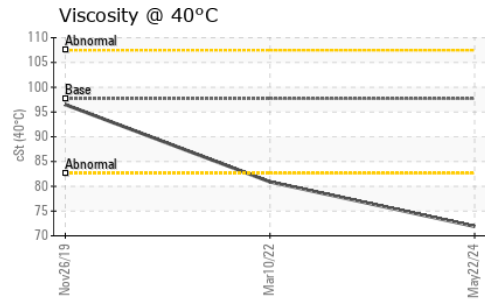
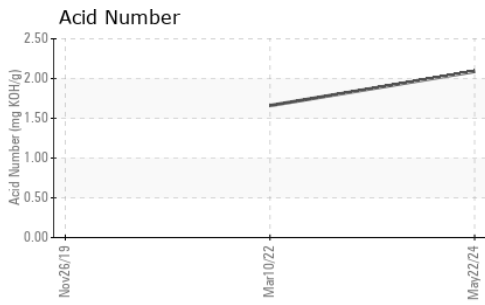
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0839377	WC0563112	VPA020444
Sample Date		Client Info		22 May 2024	10 Mar 2022	26 Nov 2019
Machine Age	hrs	Client Info		1096	918	779
Oil Age	hrs	Client Info		300	0	0
Filter Age	hrs	Client Info		300	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

Iron	ppm	ASTM D5185m	>150	57	45	89
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>5	20	42	103
Lead	ppm	ASTM D5185m	>65	81	138	338
Copper	ppm	ASTM D5185m	>80	155	286	291
Tin	ppm	ASTM D5185m	>8	<1	2	2
Vanadium	ppm	ASTM D5185m		<1	0	1
White Metal	scalar	*Visual	NONE	NONE	VLITE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>20	6	6	8
Potassium	ppm	ASTM D5185m	>20	1	3	6
Water		WC Method	>0.2	NEG	NEG	NEG
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

Sodium	ppm	ASTM D5185m		1	<1	1
Boron	ppm	ASTM D5185m	0	102	55	50
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m	0	56	78	52
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		551	366	453
Calcium	ppm	ASTM D5185m	1890	1301	1861	1594
Phosphorus	ppm	ASTM D5185m	680	764	947	874
Zinc	ppm	ASTM D5185m	750	862	1030	915
Sulfur	ppm	ASTM D5185m		3515	2991	2683
Acid Number (AN)	mg KOH/g	ASTM D8045		2.09	1.66	---
Visc @ 40°C	cSt	ASTM D445	97.7	71.9	80.9	96.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0839377
Lab Number : 06195990
Unique Number : 11058113
Test Package : MAR 2
Received : 30 May 2024
Tested : 02 Jun 2024
Diagnosed : 02 Jun 2024 - Don Baldrige

G&G TECHNOLOGIES
 6 GRANDVIEW ST
 COVENTRY, RI
 US 02816

Contact: GENKO GENEV
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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)

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