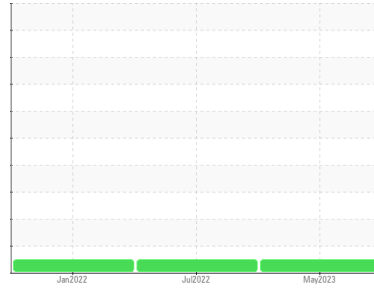




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[17936652]
 Machine Id
OW HSP 1
 Component
Top Gear Motor
 Fluid
ROYAL PURPLE SYNFILM GT 68 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The water content is negligible. 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.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	RP0029919	RP0022837	RP0022831
Sample Date	Client Info	14 May 2023	01 Jul 2022	19 Jan 2022
Machine Age	hrs Client Info	0	0	0
Oil Age	hrs Client Info	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >4.0	<1.0	<1.0	<1.0
Glycol	WC Method	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >30	0	<1	<1
Chromium	ppm ASTM D5185m >10	0	0	0
Nickel	ppm ASTM D5185m >5	<1	<1	0
Titanium	ppm ASTM D5185m	0	0	0
Silver	ppm ASTM D5185m >5	0	1	<1
Aluminum	ppm ASTM D5185m >20	1	2	<1
Lead	ppm ASTM D5185m >10	0	2	3
Copper	ppm ASTM D5185m >25	0	1	<1
Tin	ppm ASTM D5185m >5	0	<1	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	0	<1	<1
Barium	ppm ASTM D5185m	0	0	0
Molybdenum	ppm ASTM D5185m	0	0	0
Manganese	ppm ASTM D5185m	<1	<1	0
Magnesium	ppm ASTM D5185m 90	83	85	93
Calcium	ppm ASTM D5185m	0	5	6
Phosphorus	ppm ASTM D5185m	0	9	3
Zinc	ppm ASTM D5185m	0	4	0

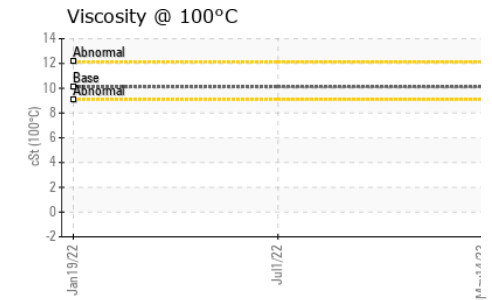
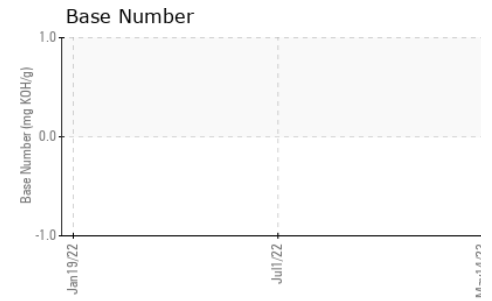
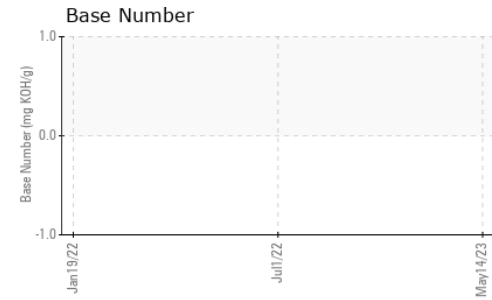
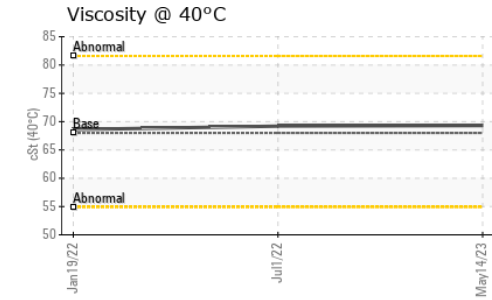
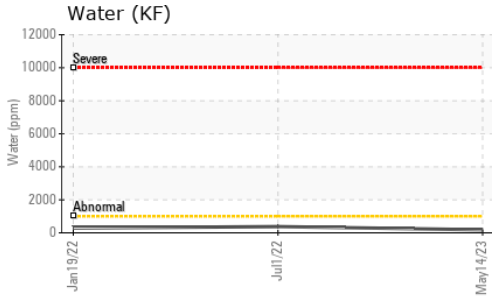
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >15	3	4	3
Sodium	ppm ASTM D5185m	1	1	<1
Potassium	ppm ASTM D5185m >20	1	0	0
Water	% ASTM D6304 >0.1	0.018	0.037	0.029
ppm Water	ppm ASTM D6304 >1000	181.3	378.5	292.2

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	0.23	0.38	0.37

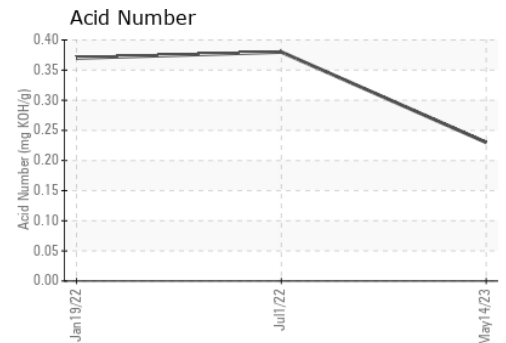
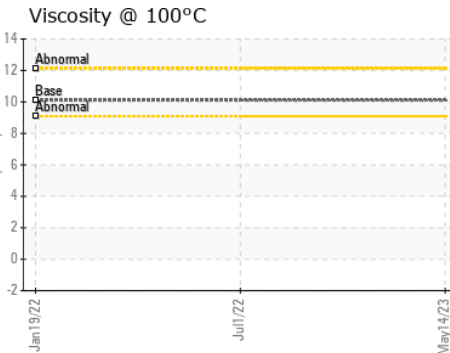
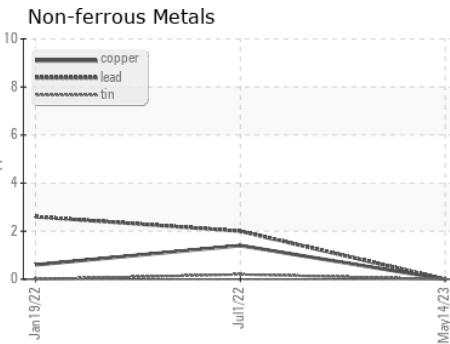
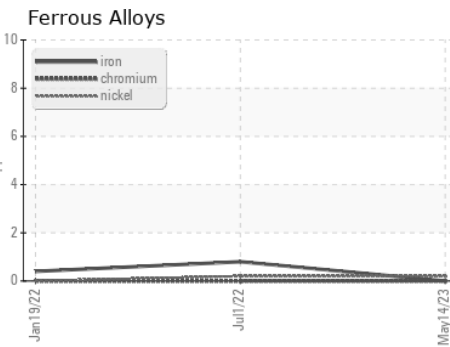
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	LIGHT	NONE	LIGHT
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	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	68	69.3	69.2	68.6

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0029919 **Received** : 15 May 2023
Lab Number : 05847201 **Tested** : 17 May 2023
Unique Number : 10471308 **Diagnosed** : 17 May 2023 - Don Baldrige
Test Package : IND 2 (Additional Tests: FT-IR, KV100)

ORANGE COUNTY UTILITIES (SRWSF)
 13000 S ORANGE AVE
 ORLANDO, FL
 US 32824
 Contact: DANIEL PINEIRO
 Daniel.Pineiro@ocfl.net
 T: (407)254-9354
 F:

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)