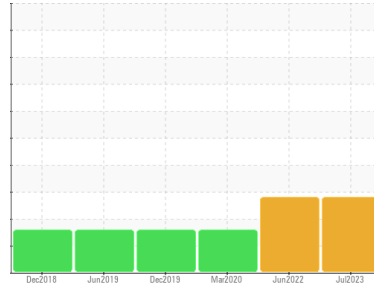


PROBLEM SUMMARY

Sample Rating Trend



WATER



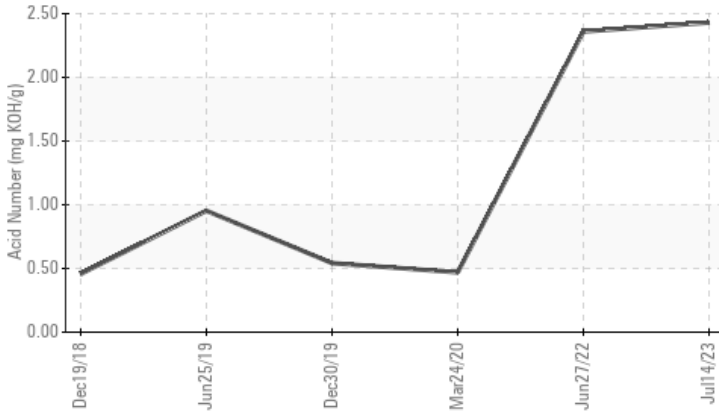
Machine Id
RAL-106C

Component
Gearbox

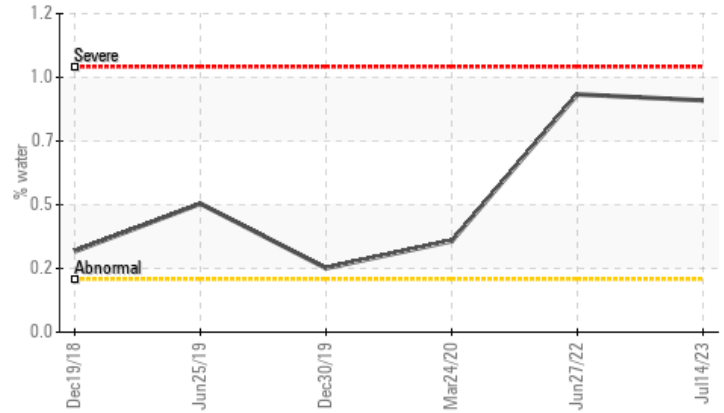
Fluid
SUMMIT SYNGEAR PG-460 (--- QTS)

COMPONENT CONDITION SUMMARY

▲ Acid Number



▲ Water



RECOMMENDATION

We advise that you check for the source of water entry. The oil is near the end of its useful service life, recommend schedule an oil change. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Water	%	ASTM D6304	>0.2	▲ 0.873	▲ 0.896	▲ 0.343
ppm Water	ppm	ASTM D6304	>2000	▲ 8733.2	▲ 8960	▲ 3438.2
Acid Number (AN)	mg KOH/g	ASTM D8045		▲ 2.43	▲ 2.36	0.469

Customer Id: HOLCOR
Sample No.: RP0033444
Lab Number: 05905537
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Service/change Fluid	---	---	?	The oil is near the end of it's useful service life, recommend schedule an oil change.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

27 Jun 2022 Diag: Jonathan Hester

WATER



We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high concentration of water present in the oil. The AN level is above the recommended limit.

view report



24 Mar 2020 Diag: Don Baldrige

WATER



We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



30 Dec 2019 Diag: Don Baldrige

WATER



The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

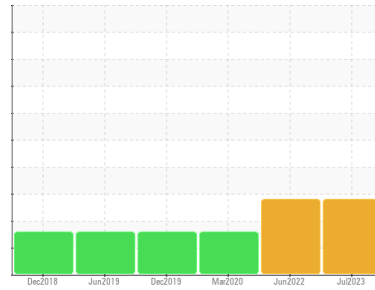
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
RAL-106C

Component

Gearbox

Fluid

SUMMIT SYNGEAR PG-460 (--- QTS)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. The oil is near the end of its useful service life, recommend schedule an oil change. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

The AN level is above the recommended limit.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		RP0033444	RP0028554	RP0001635
Sample Date	Client Info		14 Jul 2023	27 Jun 2022	24 Mar 2020
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	Changed	Changed
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	<1	<1	<1
Chromium	ppm	ASTM D5185m >15	0	<1	0
Nickel	ppm	ASTM D5185m >15	<1	<1	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	<1	0	0
Aluminum	ppm	ASTM D5185m >25	0	1	<1
Lead	ppm	ASTM D5185m >100	0	0	0
Copper	ppm	ASTM D5185m >200	2	1	<1
Tin	ppm	ASTM D5185m >25	<1	<1	0
Antimony	ppm	ASTM D5185m >5	---	---	1
Vanadium	ppm	ASTM D5185m	<1	<1	0
Cadmium	ppm	ASTM D5185m	<1	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	1	5	<1
Barium	ppm	ASTM D5185m	<1	2	0
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	0	0	<1
Magnesium	ppm	ASTM D5185m	<1	<1	0
Calcium	ppm	ASTM D5185m	0	<1	0
Phosphorus	ppm	ASTM D5185m	807	395	356
Zinc	ppm	ASTM D5185m	4	3	0

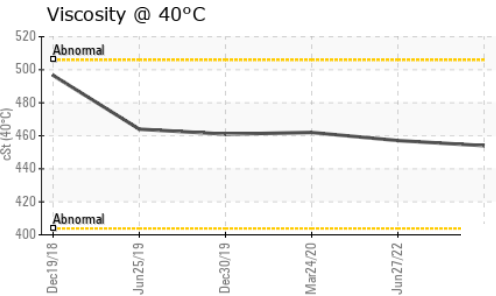
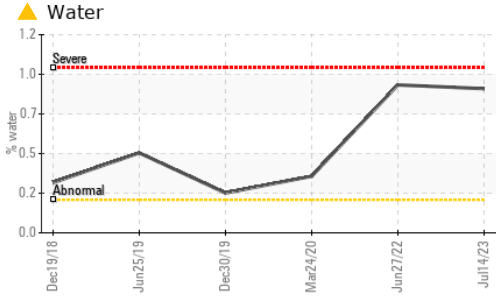
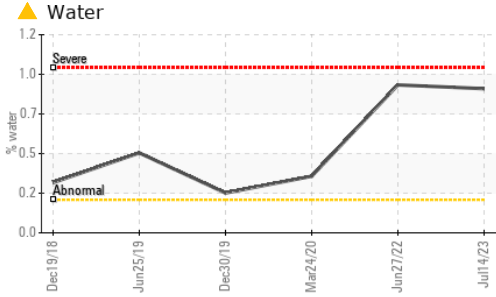
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	4	4	<1
Sodium	ppm	ASTM D5185m	4	0	0
Potassium	ppm	ASTM D5185m >20	1	1	1
Water	%	ASTM D6304 >0.2	▲ 0.873	▲ 0.896	▲ 0.343
ppm Water	ppm	ASTM D6304 >2000	▲ 8733.2	▲ 8960	▲ 3438.2

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	▲ 2.43	▲ 2.36	0.469

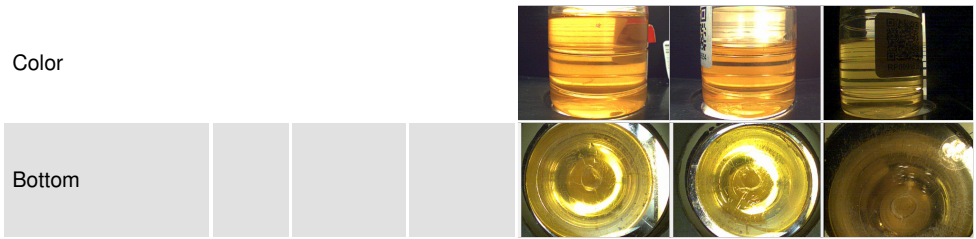
OIL ANALYSIS REPORT



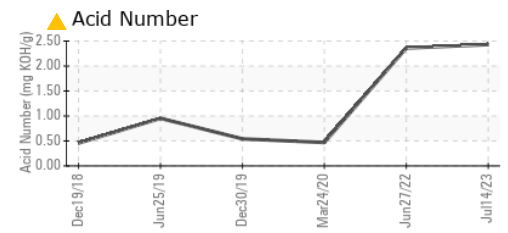
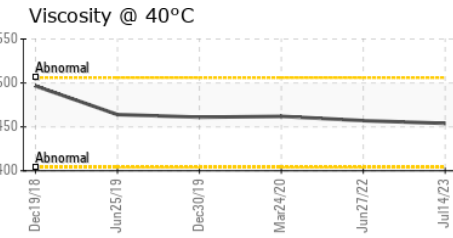
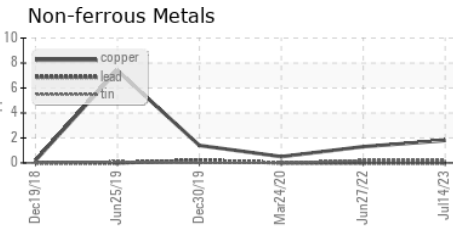
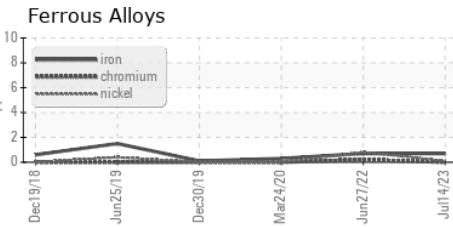
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	454	457.1	462

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0033444 **Received** : 24 Jul 2023
Lab Number : 05905537 **Diagnosed** : 25 Jul 2023
Unique Number : 10566893 **Diagnostician** : Don Baldrige
Test Package : IND 2

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 1115 SE CRYSTAL LAKE DR
 CORVALLIS, OR
 US 97333
 Contact: Jon Ayers
 jonathan.ayers@hovo.com
 T: (541)738-5399
 F: x:

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)