



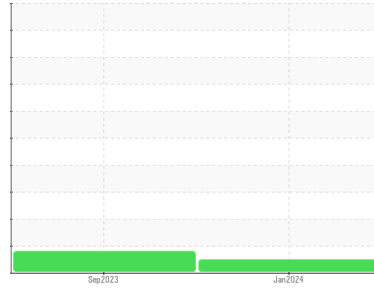
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
{UNASSIGNED}
 Machine Id
NOV-30P-303B (S/N 02)
 Component
Pump
 Fluid
ROYAL PURPLE SYNFILM GT 320 (--- 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		RP0039571	RP0038752	---
Sample Date	Client Info		10 Jan 2024	07 Sep 2023	---
Machine Age	hrs	Client Info	20867	19388	---
Oil Age	hrs	Client Info	1000	2733	---
Oil Changed	Client Info		Not Chngd	N/A	---
Sample Status			NORMAL	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >90	4	12	---
Chromium	ppm	ASTM D5185m >5	<1	0	---
Nickel	ppm	ASTM D5185m >5	<1	<1	---
Titanium	ppm	ASTM D5185m >3	<1	0	---
Silver	ppm	ASTM D5185m >3	0	0	---
Aluminum	ppm	ASTM D5185m >7	2	0	---
Lead	ppm	ASTM D5185m >12	0	0	---
Copper	ppm	ASTM D5185m >30	18	▲ 66	---
Tin	ppm	ASTM D5185m >9	<1	<1	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	---
Barium	ppm	ASTM D5185m	0	0	---
Molybdenum	ppm	ASTM D5185m	0	0	---
Manganese	ppm	ASTM D5185m	0	<1	---
Magnesium	ppm	ASTM D5185m 90	54	17	---
Calcium	ppm	ASTM D5185m	2	4	---
Phosphorus	ppm	ASTM D5185m	55	0	---
Zinc	ppm	ASTM D5185m	0	10	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >60	2	4	---
Sodium	ppm	ASTM D5185m	5	23	---
Potassium	ppm	ASTM D5185m >20	2	0	---
Water	%	ASTM D6304 >.1	0.018	0.007	---
ppm Water	ppm	ASTM D6304 >1000	181	76.3	---

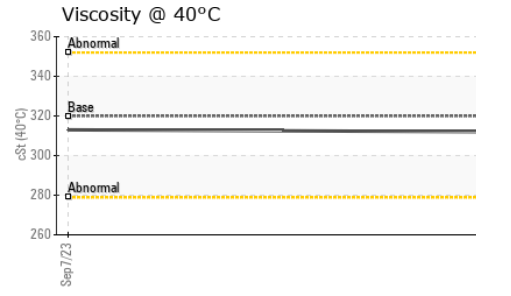
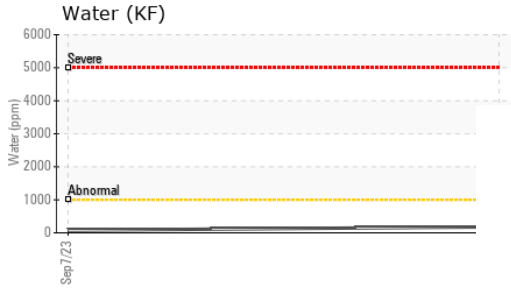
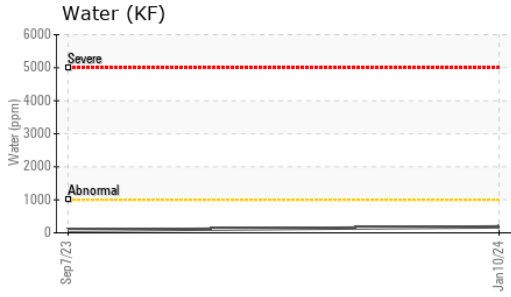
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.25	0.36	0.36	---

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	LIGHT	NONE	---
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	---
Appearance	scalar	*Visual NORML	NORML	NORML	---
Odor	scalar	*Visual NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual >.1	NEG	NEG	---
Free Water	scalar	*Visual	NEG	NEG	---

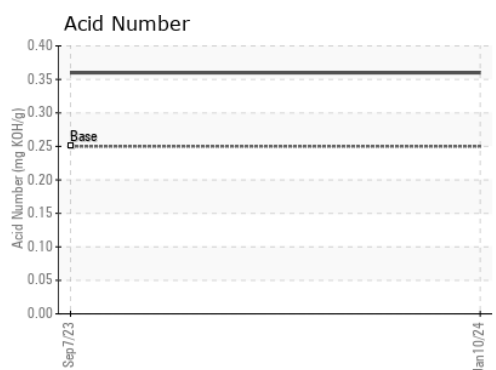
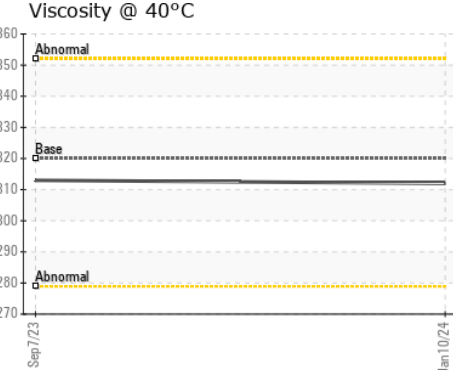
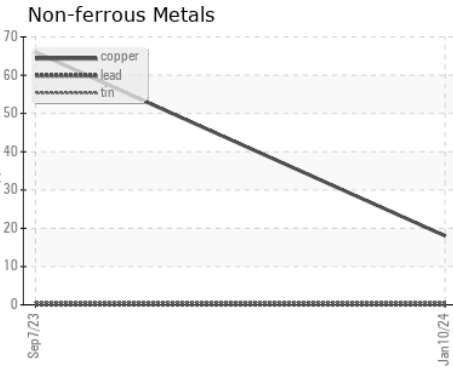
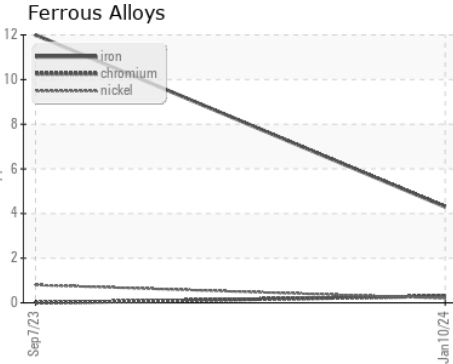
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	320	312	313	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						no image
Bottom						no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0039571 **Received** : 16 Jan 2024
Lab Number : **06061279** **Diagnosed** : 18 Jan 2024
Unique Number : 10832661 **Diagnostician** : Jonathan Hester
Test Package : IND 2

TEAM SUR S.A.S.

BOGOTA,
CO
Contact: Team Sur
jconde@teamsur.com
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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)