



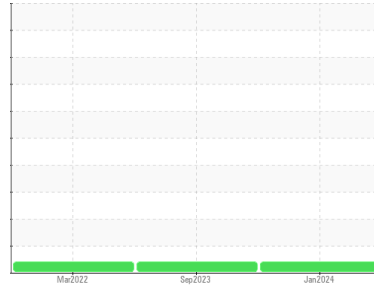
OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY



Area
{UNASSIGNED}
 Machine Id
NOV-30P-303C (S/N 003)
 Component
Pump
 Fluid
ROYAL PURPLE SYNFILM GT 150 (1 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 oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		RP0039570	RP0038754	RP0012109
Sample Date	Client Info		10 Jan 2024	07 Sep 2023	16 Mar 2022
Machine Age	hrs	Client Info	18983	18168	26784
Oil Age	hrs	Client Info	4000	2762	434
Oil Changed	Client Info		Not Chngd	N/A	Not Chngd
Sample Status			ATTENTION	ATTENTION	ATTENTION

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >90	2	4	2
Chromium	ppm	ASTM D5185m >5	<1	0	0
Nickel	ppm	ASTM D5185m >5	<1	<1	0
Titanium	ppm	ASTM D5185m >3	<1	0	0
Silver	ppm	ASTM D5185m >3	0	<1	<1
Aluminum	ppm	ASTM D5185m >7	2	0	0
Lead	ppm	ASTM D5185m >12	0	0	0
Copper	ppm	ASTM D5185m >30	21	36	6
Tin	ppm	ASTM D5185m >9	<1	0	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	0	0
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	<1	0	0
Manganese	ppm	ASTM D5185m	0	<1	0
Magnesium	ppm	ASTM D5185m	66	51	<1
Calcium	ppm	ASTM D5185m	1	3	149
Phosphorus	ppm	ASTM D5185m	40	0	690
Zinc	ppm	ASTM D5185m	0	2	827

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >60	<1	<1	<1
Sodium	ppm	ASTM D5185m	2	4	<1
Potassium	ppm	ASTM D5185m >20	2	<1	0
Water	%	ASTM D6304 >.1	0.017	0.012	0.007
ppm Water	ppm	ASTM D6304 >1000	173	121.2	73.8

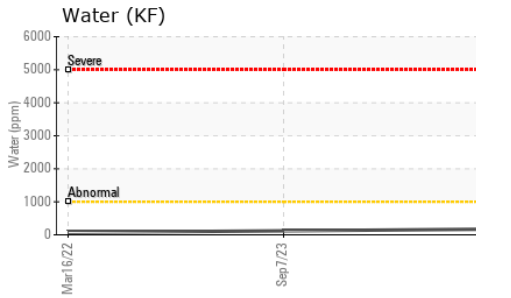
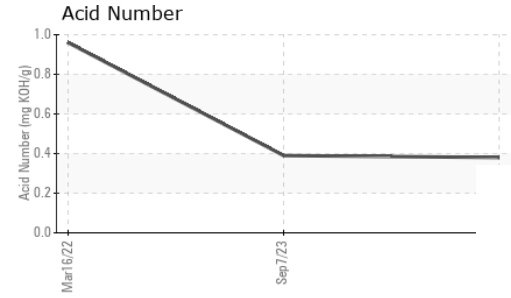
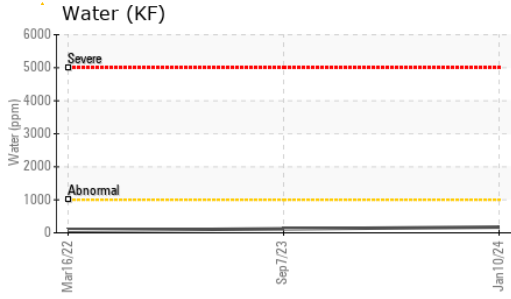
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.38	0.39	0.96

VISUAL

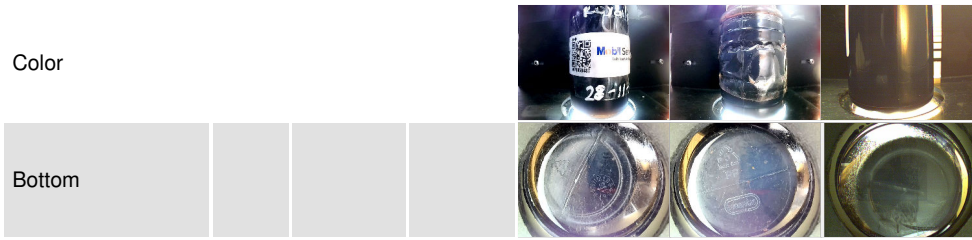
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	NONE	NONE	NONE
Debris	scalar	*Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	NONE
Appearance	scalar	*Visual NORML	NORML	NORML	NORML
Odor	scalar	*Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual >.1	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

OIL ANALYSIS REPORT

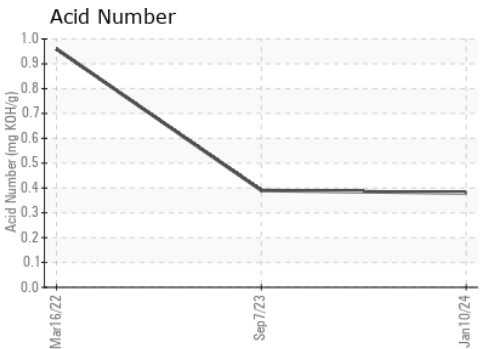
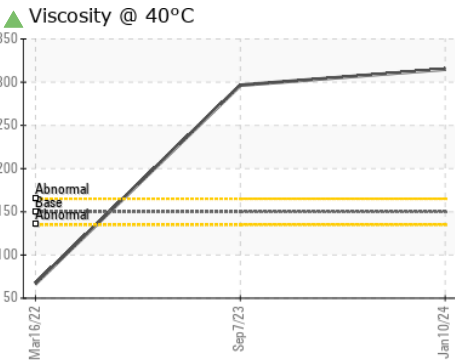
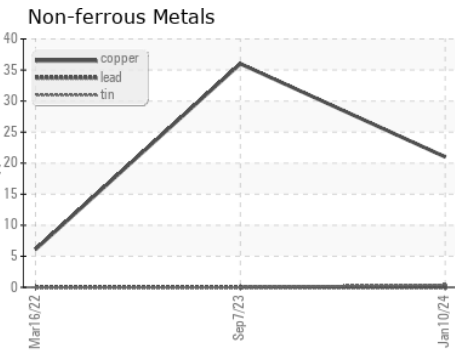
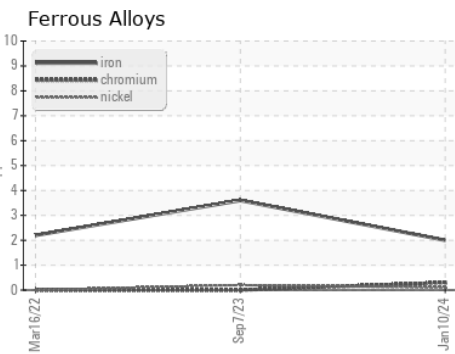


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	150	▲ 315	▲ 296.5	▲ 66.8

SAMPLE IMAGES		method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0039570 **Received** : 16 Jan 2024
Lab Number : 06061278 **Diagnosed** : 18 Jan 2024
Unique Number : 10832660 **Diagnostician** : Jonathan Hester
Test Package : IND 2

TEAM SUR S.A.S.

BOGOTA,
CO
Contact: Team Sur
jconde@teamsur.com
T: (300)740-0654
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)