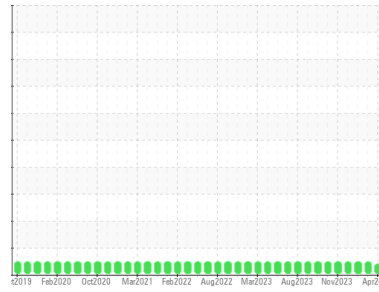




OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id
P-1301A

Component
Gearbox

Fluid
ROYAL PURPLE SYNFILM GT 150 (3 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 lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			RP0043911	RP0042948	RP0042961
Sample Date	Client Info			23 Apr 2024	22 Mar 2024	01 Mar 2024
Machine Age	hrs	Client Info		82020	81925	81825
Oil Age	hrs	Client Info		18698	18603	18503
Oil Changed	Client Info			Not Chngd	Not Chngd	Not Chngd
Sample Status				ATTENTION	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	25	24	27
Chromium	ppm	ASTM D5185m	>15	0	<1	<1
Nickel	ppm	ASTM D5185m	>15	0	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	0	1	2
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	<1	0	1
Tin	ppm	ASTM D5185m	>25	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

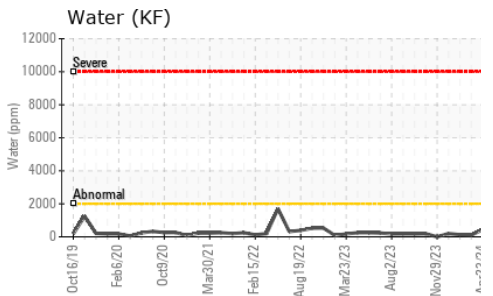
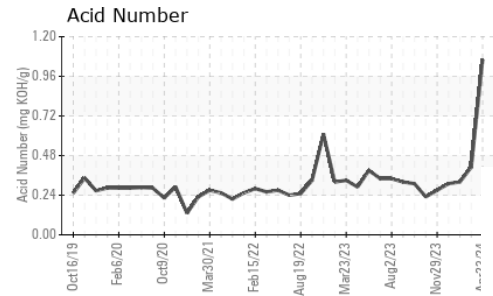
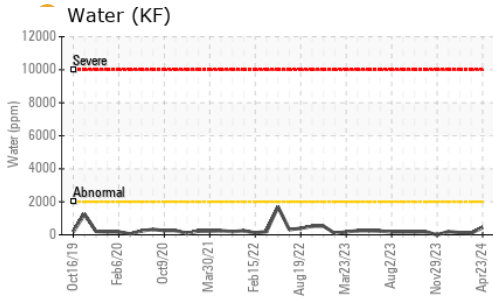
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		16	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		464	61	78
Calcium	ppm	ASTM D5185m		523	8	24
Phosphorus	ppm	ASTM D5185m		406	0	7
Zinc	ppm	ASTM D5185m		494	0	7

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	5	3	3
Sodium	ppm	ASTM D5185m		2	3	0
Potassium	ppm	ASTM D5185m	>20	0	2	<1
Water	%	ASTM D6304	>0.2	0.043	0.010	0.012
ppm Water	ppm	ASTM D6304	>2000	435	105	127

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.06	0.41	0.32

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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

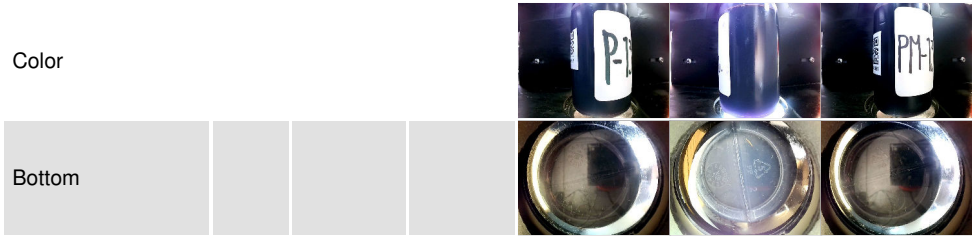
OIL ANALYSIS REPORT



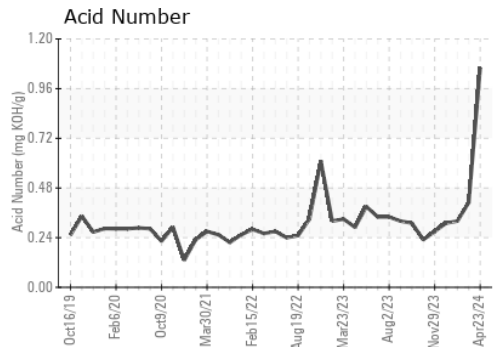
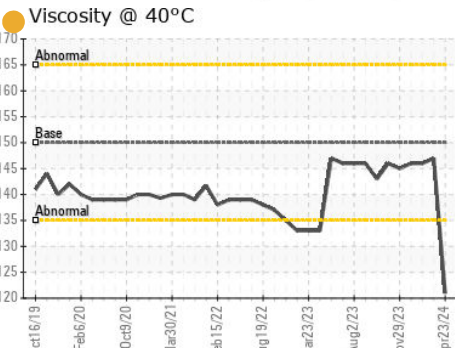
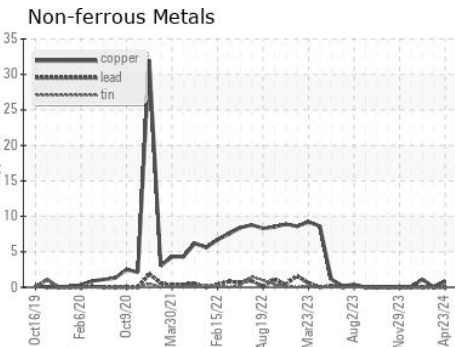
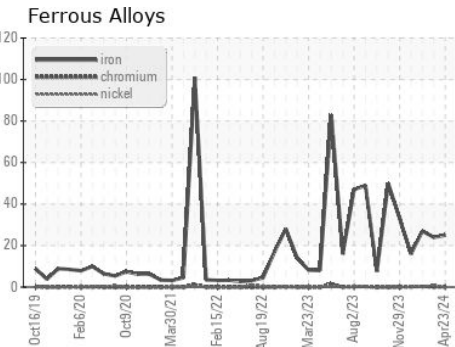
FLUID PROPERTIES

method limit/base current history1 history2
Visc @ 40°C cSt ASTM D445 150 ● 121 147 146

SAMPLE IMAGES



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : RP0043911

Lab Number : 06182953

Unique Number : 11034279

Test Package : IND 2

Received : 17 May 2024

Tested : 20 May 2024

Diagnosed : 21 May 2024 - Don Baldrige

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)