



OIL ANALYSIS REPORT

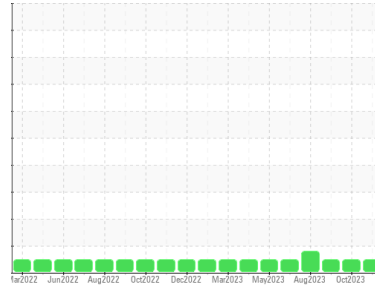
Sample Rating Trend

NORMAL



Area
{UNASSIGNED}
Machine Id
P-2301A GEAR

Component
Pump
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**
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			RP0039364	RP0038891	RP0038763
Sample Date	Client Info			31 Oct 2023	02 Oct 2023	22 Aug 2023
Machine Age	hrs Client Info			65358	65358	64961
Oil Age	hrs Client Info			7658	7658	7261
Oil Changed	Client Info			Not Chngd	Not Chngd	Not Chngd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	2	3	5
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	2
Aluminum	ppm	ASTM D5185m	>7	0	0	<1
Lead	ppm	ASTM D5185m	>12	<1	0	<1
Copper	ppm	ASTM D5185m	>30	9	9	10
Tin	ppm	ASTM D5185m	>9	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

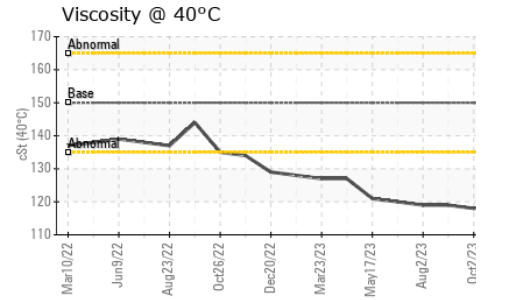
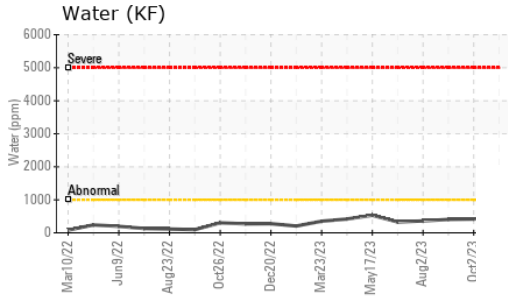
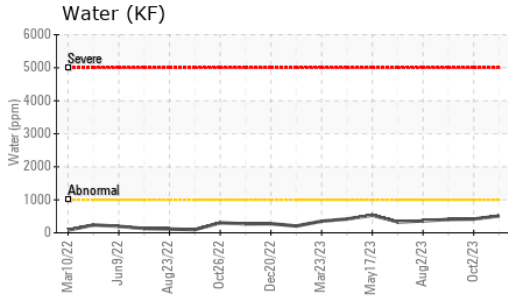
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		16	19	20
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		587	559	605
Calcium	ppm	ASTM D5185m		545	471	555
Phosphorus	ppm	ASTM D5185m		542	534	590
Zinc	ppm	ASTM D5185m		616	610	668

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	1	1	1
Sodium	ppm	ASTM D5185m		1	1	1
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304	>.1	0.051	0.041	0.040
ppm Water	ppm	ASTM D6304	>1000	510.9	416.5	406.2

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.028	0.95	0.84

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

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FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	150	119	118	119

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						

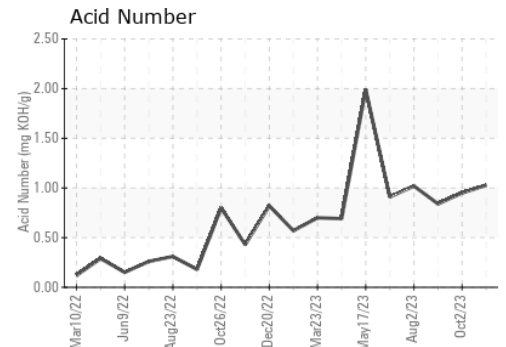
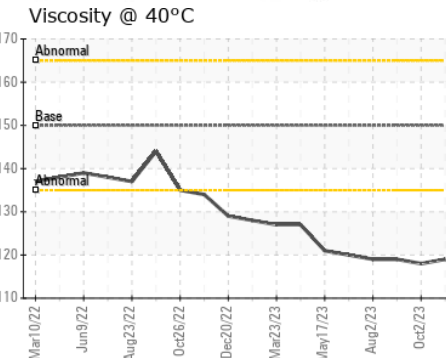
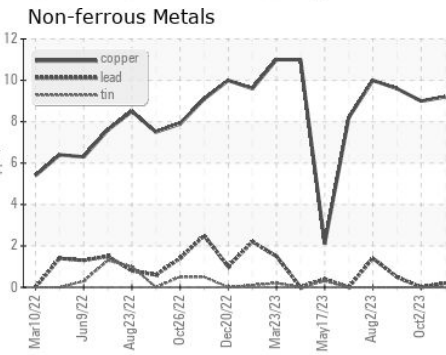
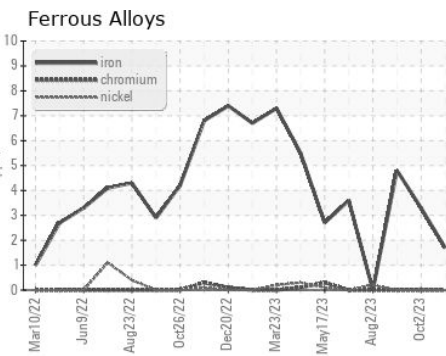
Color



Bottom



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0039364 **Received** : 13 Nov 2023
Lab Number : 06006420 **Diagnosed** : 15 Nov 2023
Unique Number : 10740182 **Diagnostician** : Angela Borella
Test Package : IND 2

TEAM SUR S.A.S.

BOGOTA,
CO

Contact: Team Sur
jconde@teamsur.com

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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)