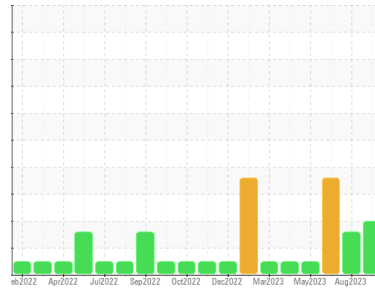


PROBLEM SUMMARY

Sample Rating Trend

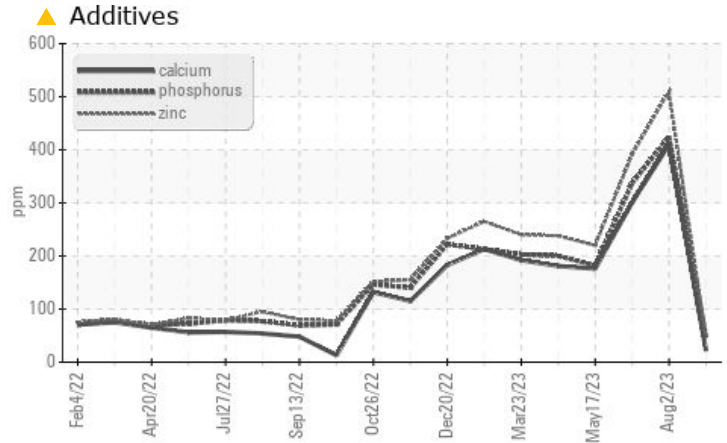
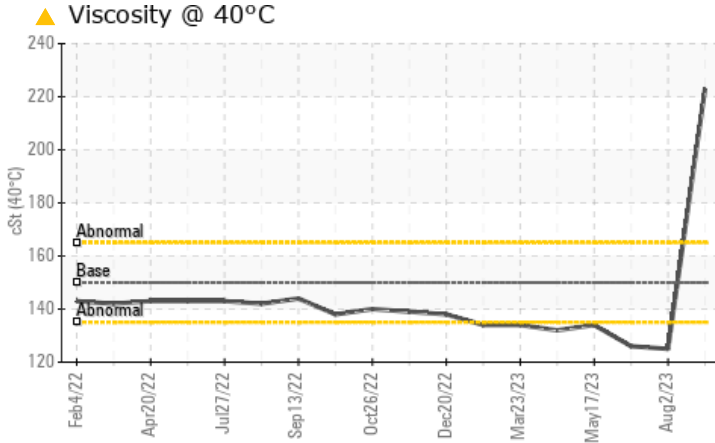


VISCOSITY



Area
{UNASSIGNED}
 Machine Id
P-1301B PUMP (S/N R11Q6290AX-01)
 Component
Gearbox
 Fluid
ROYAL PURPLE SYNFILM GT 150 (3 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	MARGINAL	ABNORMAL
Magnesium	ppm	ASTM D5185m		▲ 111	440	355
Calcium	ppm	ASTM D5185m		▲ 22	410	301
Phosphorus	ppm	ASTM D5185m		▲ 47	424	337
Zinc	ppm	ASTM D5185m		▲ 48	510	391
Visc @ 40°C	cSt	ASTM D445	150	▲ 223	125	126

Customer Id: TEABOG
 Sample No.: RP0038769
 Lab Number: 05936781
 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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

02 Aug 2023 Diag: Don Baldrige

WATER



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



29 Jun 2023 Diag: Don Baldrige

WATER



We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil. Free water present. The AN level is acceptable for this fluid.

view report



17 May 2023 Diag: Angela Borella

NORMAL



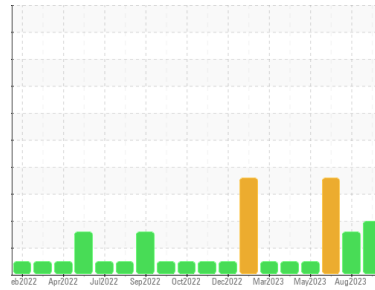
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Area
{UNASSIGNED}
Machine Id
P-1301B PUMP (S/N R11Q6290AX-01)
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

There is no indication of any contamination in the oil.

Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within ISO 220 range, advise investigate. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

method	limit/base	current	history1	history2	
Sample Number	Client Info	RP0038769	RP0038333	RP0035751	
Sample Date	Client Info	22 Aug 2023	02 Aug 2023	29 Jun 2023	
Machine Age	hrs	Client Info	71816	71816	71201
Oil Age	hrs	Client Info	7481	7481	6866
Oil Changed	Client Info	Not Chngd	Not Chngd	Not Chngd	
Sample Status		ATTENTION	MARGINAL	ABNORMAL	

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >200	<1	25	13
Chromium	ppm	ASTM D5185m >15	0	<1	0
Nickel	ppm	ASTM D5185m >15	0	<1	0
Titanium	ppm	ASTM D5185m	0	<1	<1
Silver	ppm	ASTM D5185m	0	<1	0
Aluminum	ppm	ASTM D5185m >25	0	<1	<1
Lead	ppm	ASTM D5185m >100	0	<1	0
Copper	ppm	ASTM D5185m >200	0	<1	<1
Tin	ppm	ASTM D5185m >25	0	0	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	<1	<1

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	0	17	13
Manganese	ppm	ASTM D5185m	0	<1	<1
Magnesium	ppm	ASTM D5185m	▲ 111	440	355
Calcium	ppm	ASTM D5185m	▲ 22	410	301
Phosphorus	ppm	ASTM D5185m	▲ 47	424	337
Zinc	ppm	ASTM D5185m	▲ 48	510	391

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >50	1	2	<1
Sodium	ppm	ASTM D5185m	0	1	1
Potassium	ppm	ASTM D5185m >20	0	0	0
Water	%	ASTM D6304 >0.2	0.070	▲ 0.377	▲ 0.360
ppm Water	ppm	ASTM D6304 >2000	702.5	▲ 3770	▲ 3600

FLUID DEGRADATION

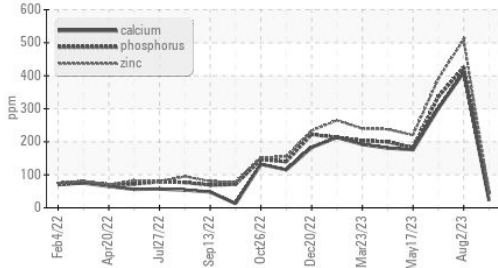
method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.41	1.02	0.84

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	MODER
Debris	scalar	*Visual NONE	NONE	NONE	▲ MODER
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	0.2%	▲ 0.2%
Free Water	scalar	*Visual	NEG	NEG	Submitted By: Team Sur

OIL ANALYSIS REPORT

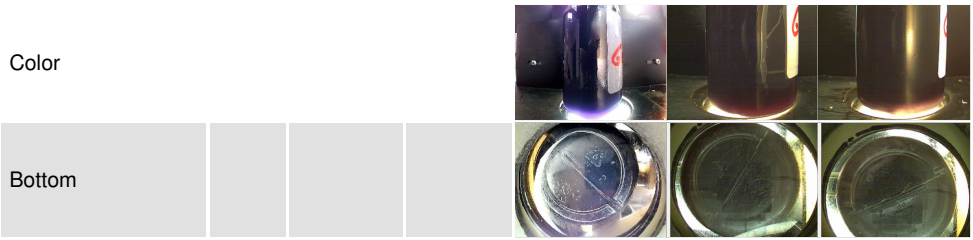
Additives



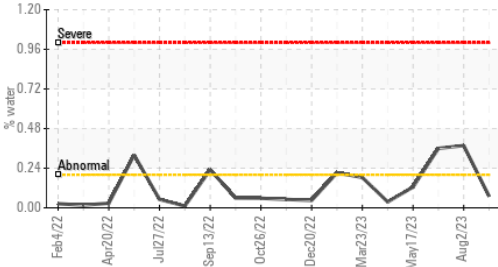
FLUID PROPERTIES

method	limit/base	current	history1	history2		
Visc @ 40°C	cSt	ASTM D445	150	▲ 223	125	126

SAMPLE IMAGES

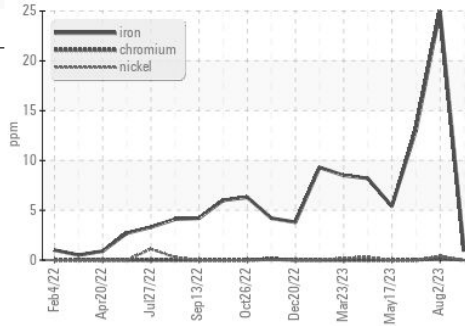


Water

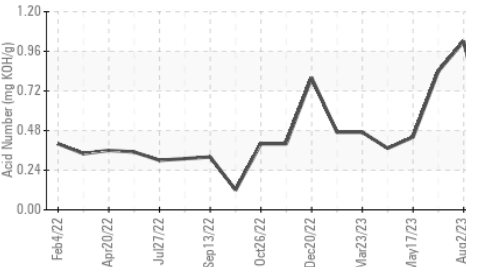


GRAPHS

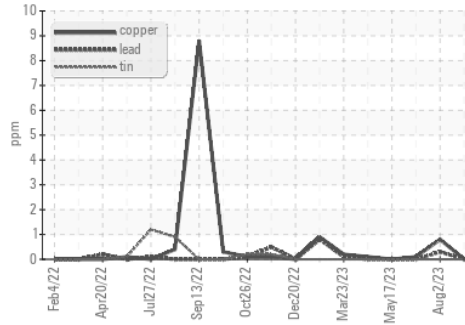
Ferrous Alloys



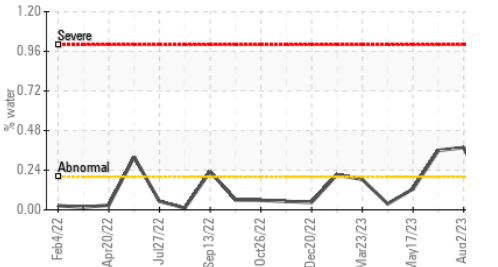
Acid Number



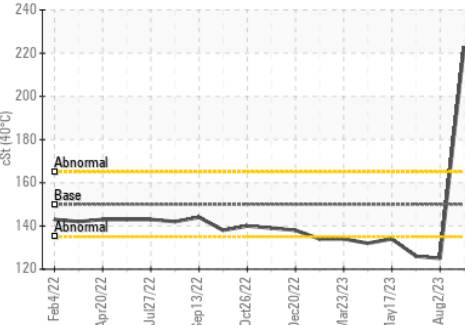
Non-ferrous Metals



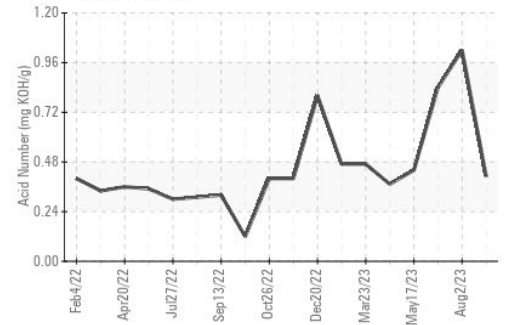
Water



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0038769 **Received** : 28 Aug 2023
Lab Number : 05936781 **Diagnosed** : 29 Aug 2023
Unique Number : 10622052 **Diagnostician** : Don Baldrige
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)