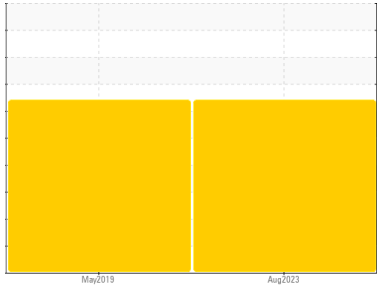




PROBLEM SUMMARY

Sample Rating Trend

WEAR



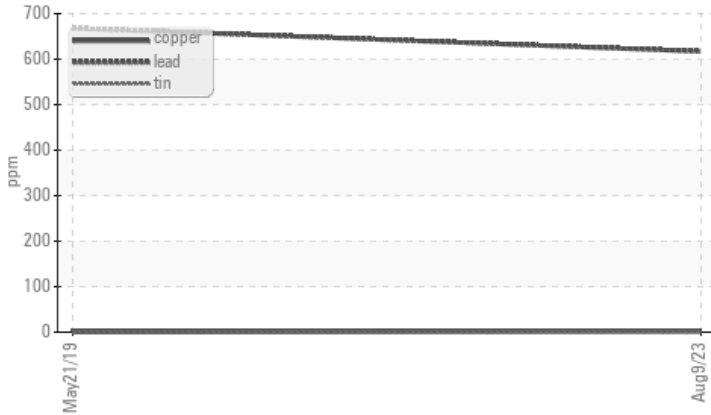
Machine Id
A ROTEX

Component
Top Gearbox

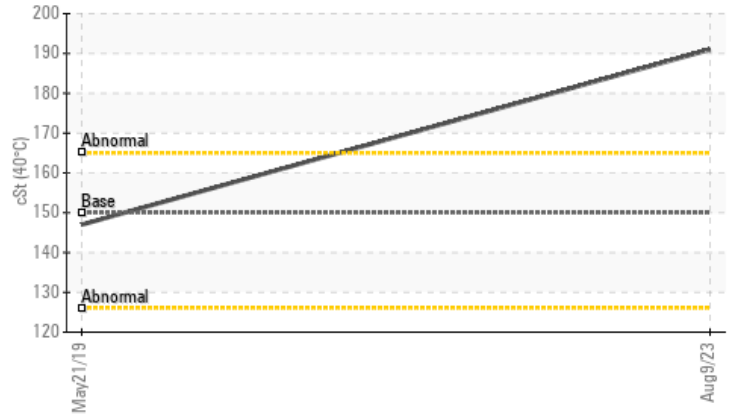
Fluid
ROYAL PURPLE SYNFILM 150 (5 GAL)

COMPONENT CONDITION SUMMARY

Non-ferrous Metals



Viscosity @ 40°C



RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	SEVERE	---
Lead	ppm	ASTM D5185m	>100	617	668	---
Visc @ 40°C	cSt	ASTM D445	150	191	147	---

Customer Id: OXYDEE
Sample No.: RP0027468
Lab Number: 05928387
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

Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

21 May 2019 Diag: Jonathan Hester

WEAR



The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Bearing and/or bushing wear is indicated. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

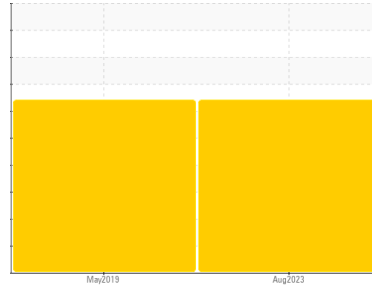
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
A ROTEX

Component
Top Gearbox

Fluid
ROYAL PURPLE SYNFILM 150 (5 GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

Bearing and/or bushing wear is indicated.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		RP0027468	RP154641	---
Sample Date	Client Info		09 Aug 2023	21 May 2019	---
Machine Age	yrs	Client Info	0	0	---
Oil Age	yrs	Client Info	0	0	---
Oil Changed	Client Info		Changed	Changed	---
Sample Status			SEVERE	SEVERE	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	11	5	---
Chromium	ppm	ASTM D5185m >15	0	0	---
Nickel	ppm	ASTM D5185m >15	0	0	---
Titanium	ppm	ASTM D5185m	0	0	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >25	0	<1	---
Lead	ppm	ASTM D5185m >100	617	668	---
Copper	ppm	ASTM D5185m >200	2	<1	---
Tin	ppm	ASTM D5185m >25	<1	0	---
Antimony	ppm	ASTM D5185m >5	---	0	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1	---
Barium	ppm	ASTM D5185m	0	<1	---
Molybdenum	ppm	ASTM D5185m	0	0	---
Manganese	ppm	ASTM D5185m	<1	<1	---
Magnesium	ppm	ASTM D5185m 90	51	80	---
Calcium	ppm	ASTM D5185m	2	1	---
Phosphorus	ppm	ASTM D5185m	17	1	---
Zinc	ppm	ASTM D5185m	31	5	---

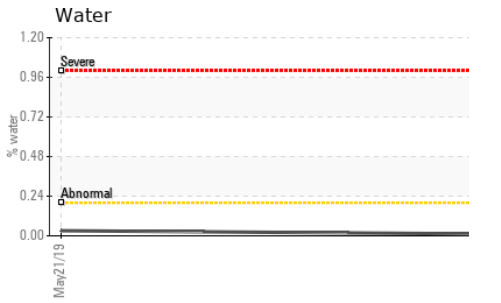
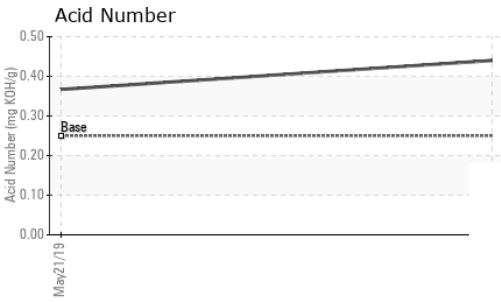
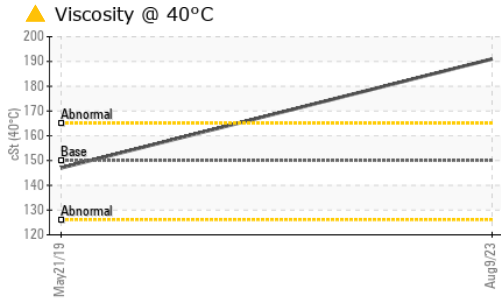
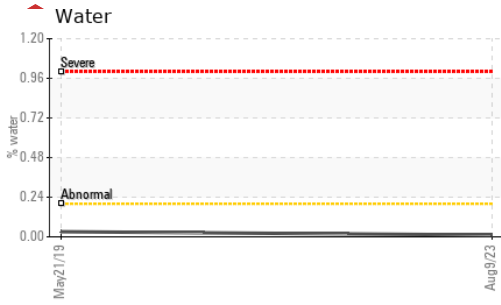
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<1	0	---
Sodium	ppm	ASTM D5185m	18	2	---
Potassium	ppm	ASTM D5185m >20	0	5	---
Water	%	ASTM D6304 >0.2	0.011	0.031	---
ppm Water	ppm	ASTM D6304 >2000	114.3	310	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.25	0.44	0.367	---

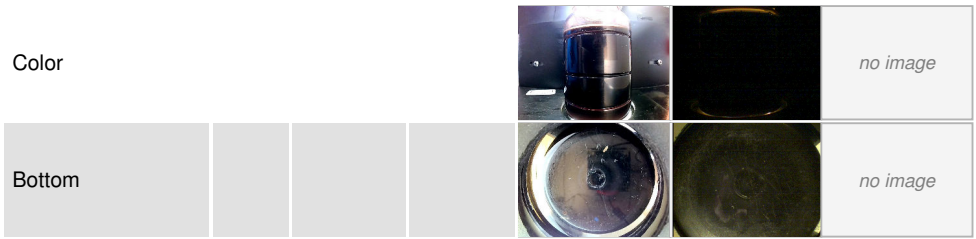
OIL ANALYSIS REPORT



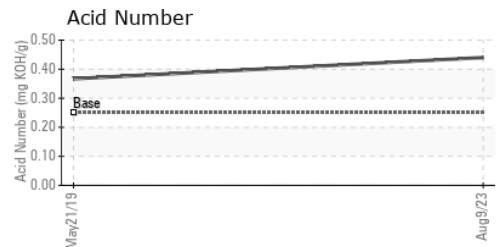
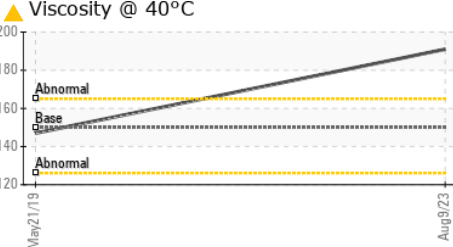
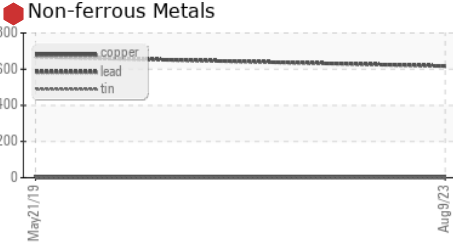
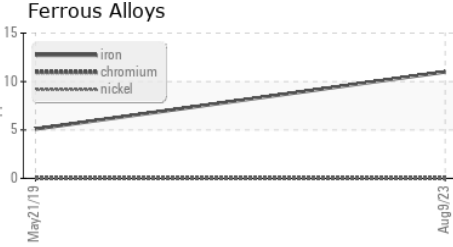
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	MODER	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	▲ MODER	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---
Free Water	scalar	*Visual		NEG	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	150	▲ 191	147	---

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. : RP0027468 **Received** : 18 Aug 2023
Lab Number : 05928387 **Diagnosed** : 21 Aug 2023
Unique Number : 10608334 **Diagnostician** : Don Baldrige
Test Package : IND 2

OXY VINYLs DEER PARK PVC
 1000 TIDAL ROAD
 DEER PARK, TX
 US 77536
 Contact: CHARLES LOVE
 charles_love@oxy.com
 T: (281)476-2277
 F: (281)476-2604

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)