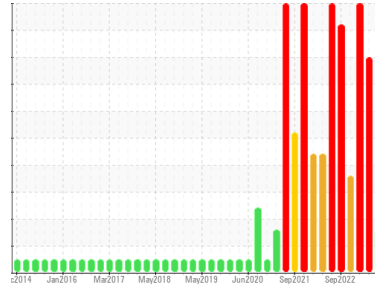




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id PHILADELPHIA CHARLIE POLY AGITATOR (C)

Component
Gearbox

Fluid
ROYAL PURPLE SYNERGY 90/150 (15 GAL)

DIAGNOSIS

▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

▲ Contamination

There is a light concentration of water present 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		RP0035834	RP0032866	RP0032809
Sample Date	Client Info		02 Jan 2024	03 Oct 2023	03 Mar 2023
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ABNORMAL	SEVERE	SEVERE

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>200	146	434	493
Chromium	ppm	ASTM D5185m	>15	<1	1	2
Nickel	ppm	ASTM D5185m	>15	<1	<1	1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	2	4
Lead	ppm	ASTM D5185m	>100	<1	2	2
Copper	ppm	ASTM D5185m	>200	1	3	5
Tin	ppm	ASTM D5185m	>25	<1	<1	1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	<1	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		0	4	0
Molybdenum	ppm	ASTM D5185m		<1	2	4
Manganese	ppm	ASTM D5185m		<1	<1	2
Magnesium	ppm	ASTM D5185m		0	5	8
Calcium	ppm	ASTM D5185m		7	6	9
Phosphorus	ppm	ASTM D5185m	200	341	463	488
Zinc	ppm	ASTM D5185m		0	0	7

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>50	9	18	28
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	1	2	<1
Water	%	ASTM D6304	>0.2	▲ 0.201	▲ 0.835	● 1.60
ppm Water	ppm	ASTM D6304	>2000	▲ 2010	▲ 8350	● 16000

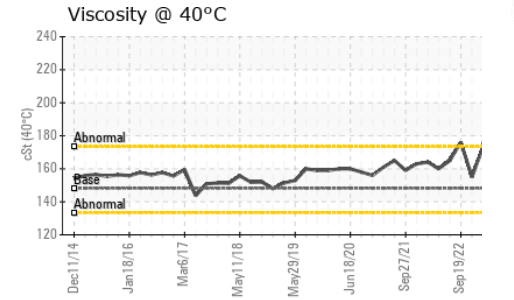
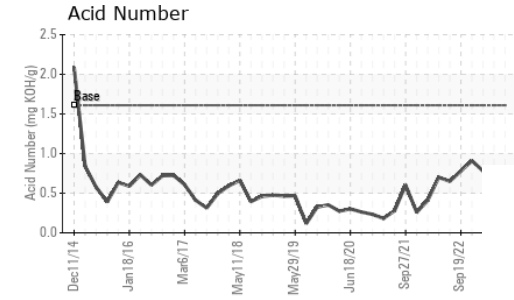
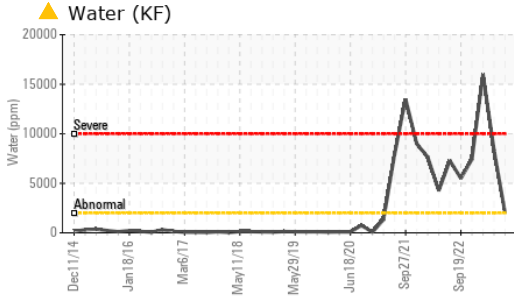
FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	1.61	0.48	0.80	0.78

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	LIGHT
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	0.2%	▲ 0.2%	● 0.2%
Free Water	scalar	*Visual		NEG	N/A	N/A

OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	148.2	156	▲ 223	173

SAMPLE IMAGES	method	limit/base	current	history1	history2
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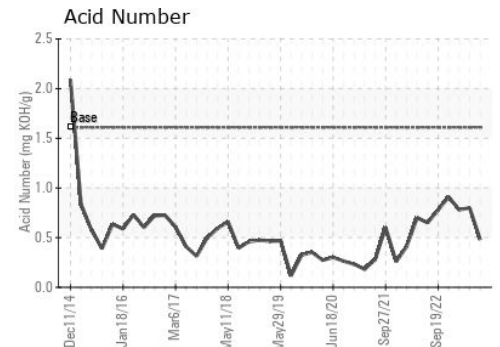
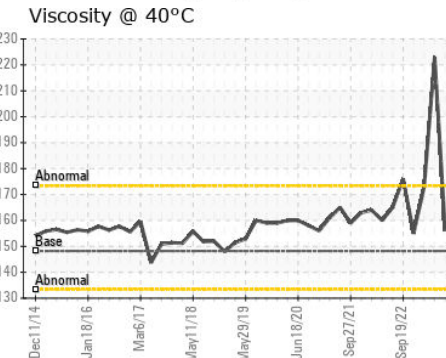
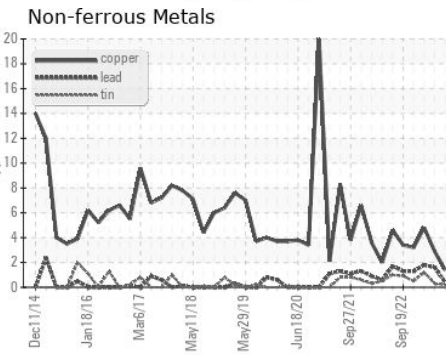
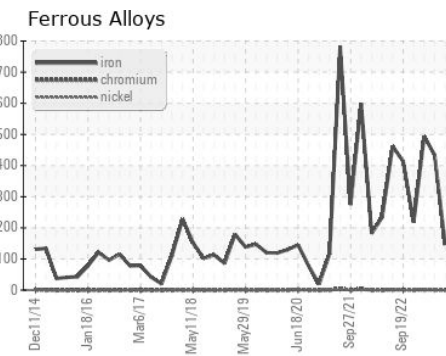
Color



Bottom



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0035834 **Received** : 16 Jan 2024
Lab Number : 06061275 **Diagnosed** : 18 Jan 2024
Unique Number : 10832657 **Diagnostician** : Jonathan Hester
Test Package : IND 2

OXY VINYL 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)