



PERFORMANCE
UNDER
PRESSURE

OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id
CHEMINEER ZEBRA POLY AGITATOR GEARBOX

Component
Gearbox

Fluid
ROYAL PURPLE SYNERGY 90/150 (53 GAL)

RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated.

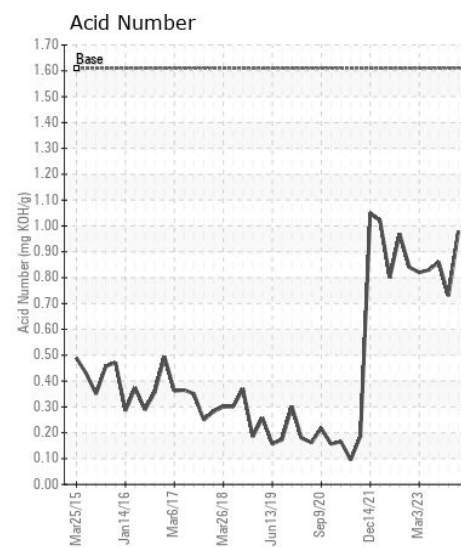
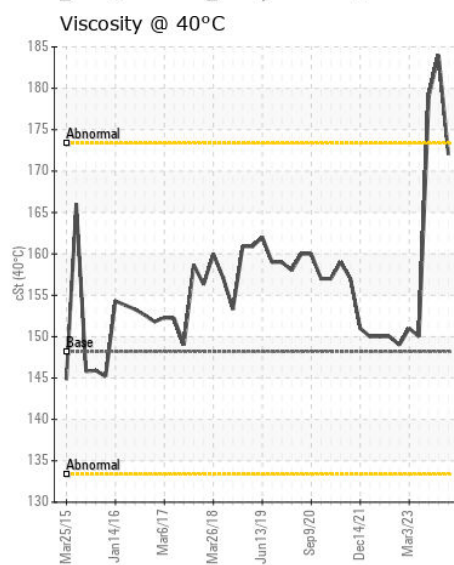
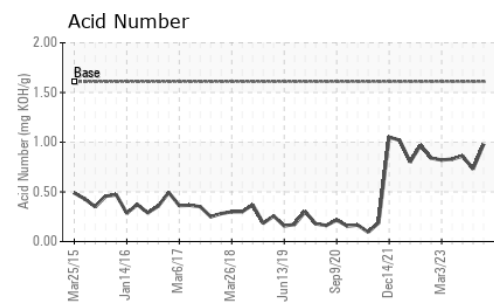
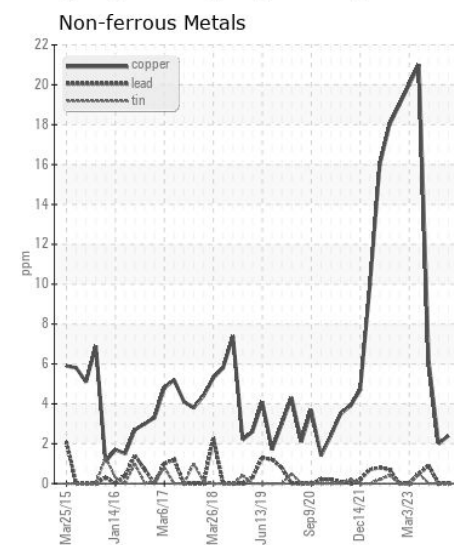
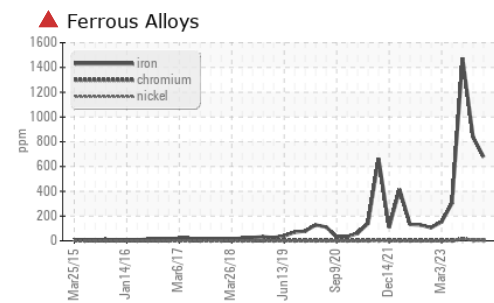
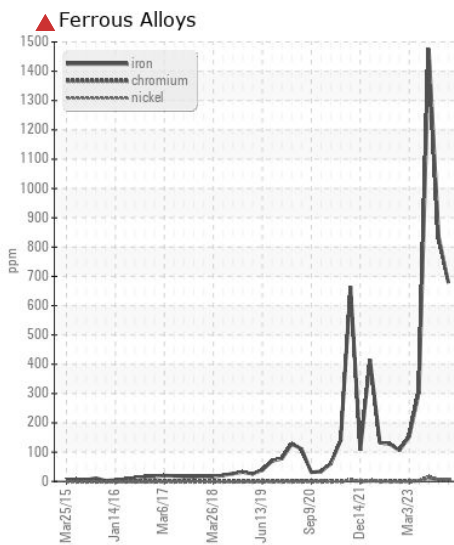
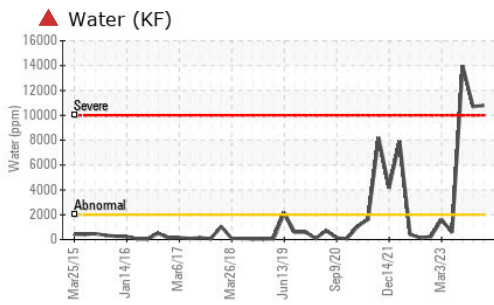
CONTAMINATION

There is a high concentration of water present in the oil.

FLUID CONDITION

The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RP0035831	RP0035846	RP0032864
Sample Date		Client Info		02 Jan 2024	06 Dec 2023	03 Oct 2023
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Filter Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	SEVERE	SEVERE
Iron	ppm	ASTM D5185m	>200	▲ 678	▲ 836	▲ 1476
Chromium	ppm	ASTM D5185m	>15	5	7	▲ 14
Nickel	ppm	ASTM D5185m	>15	7	8	▲ 14
Titanium	ppm	ASTM D5185m		<1	0	2
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	4	5	8
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m	>200	2	2	6
Tin	ppm	ASTM D5185m	>25	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>50	15	14	33
Potassium	ppm	ASTM D5185m	>20	1	0	1
Water	%	ASTM D6304	>0.2	▲ 1.08	▲ 1.07	▲ 1.40
ppm Water	ppm	ASTM D6304	>2000	▲ 10800	▲ 10700	▲ 14000
Silt	scalar	*Visual	NONE	NONE	MODER	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	▲ 0.2%	▲ 0.2%	▲ 0.2%
Sodium	ppm	ASTM D5185m		2	1	0
Boron	ppm	ASTM D5185m		<1	0	<1
Barium	ppm	ASTM D5185m		0	0	3
Molybdenum	ppm	ASTM D5185m		1	<1	3
Manganese	ppm	ASTM D5185m		3	4	9
Magnesium	ppm	ASTM D5185m		0	0	2
Calcium	ppm	ASTM D5185m		6	0	6
Phosphorus	ppm	ASTM D5185m	200	637	394	501
Zinc	ppm	ASTM D5185m		0	1	23
Acid Number (AN)	mg KOH/g	ASTM D8045	1.61	0.98	0.73	0.86
Visc @ 40°C	cSt	ASTM D445	148.2	172	184	179



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0035831
Lab Number : 06061268
Unique Number : 10832650
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)