



PERFORMANCE  
UNDER  
PRESSURE

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id  
**CWAY\_U2220\_CWAY\_U2220\_P2220**  
Component  
**Non-Drive End Pump**  
Fluid  
**ROYAL PURPLE SYNFILM GT 32 (--- GAL)**

**RECOMMENDATION**

We suspect abnormal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor.

**WEAR**

All component wear rates are normal.

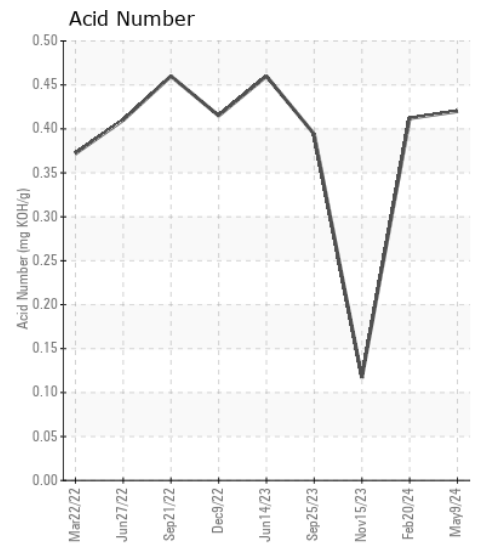
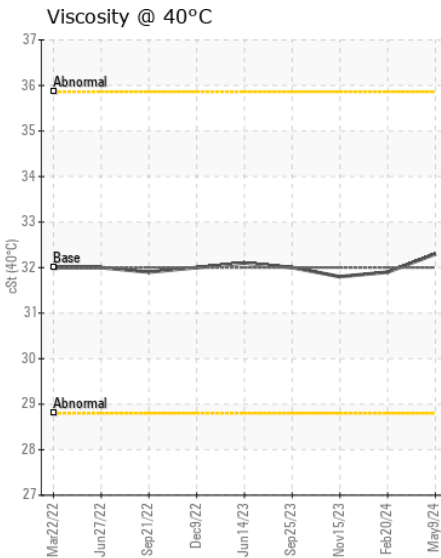
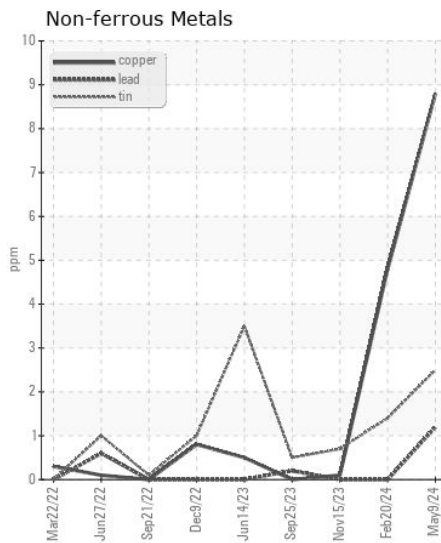
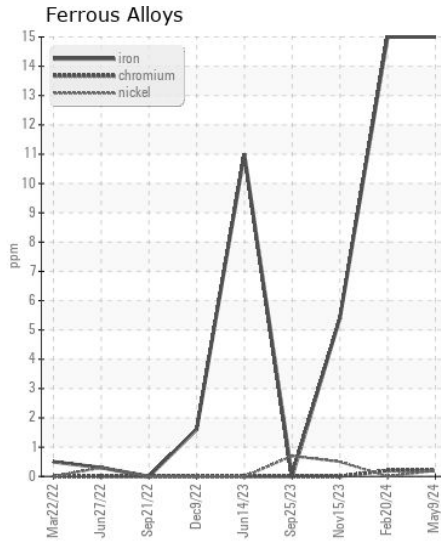
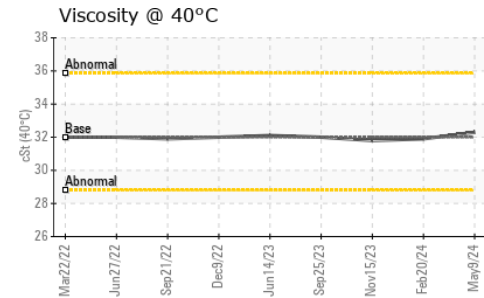
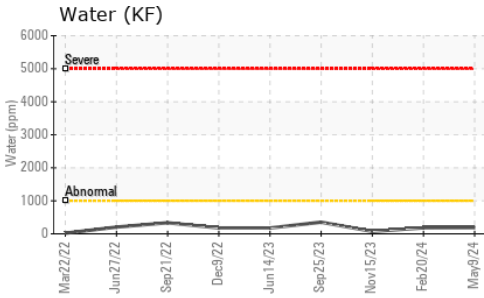
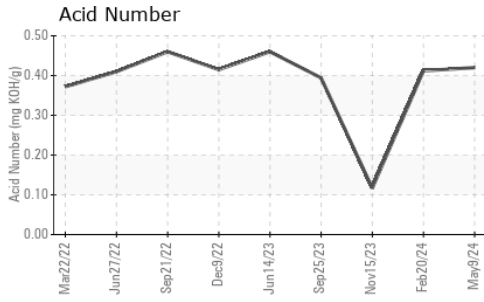
**CONTAMINATION**

Moderate concentration of visible dirt/debris present in the oil. The water content is negligible.

**FLUID CONDITION**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RP0029062</b>	RP0025833	RP0034096
Sample Date		Client Info		<b>09 May 2024</b>	20 Feb 2024	15 Nov 2023
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	NORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>90	<b>15</b>	15	5
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>7	<b>2</b>	0	<1
Lead	ppm	ASTM D5185m	>12	<b>1</b>	0	0
Copper	ppm	ASTM D5185m	>30	<b>9</b>	5	<1
Tin	ppm	ASTM D5185m	>9	<b>2</b>	1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>60	<b>4</b>	4	3
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	1
Water	%	ASTM D6304	>.1	<b>0.018</b>	0.018	0.007
ppm Water	ppm	ASTM D6304	>1000	<b>186</b>	181	73
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>▲ MODER</b>	NONE	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>.1	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185m		<b>0</b>	0	2
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>81</b>	79	25
Calcium	ppm	ASTM D5185m		<b>7</b>	0	3
Phosphorus	ppm	ASTM D5185m		<b>2</b>	0	4
Zinc	ppm	ASTM D5185m		<b>3</b>	0	0
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.42</b>	0.412	0.117
Visc @ 40°C	cSt	ASTM D445	32	<b>32.3</b>	31.9	31.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0029062  
**Lab Number** : 06177780  
**Unique Number** : 11029106  
**Test Package** : PLANT  
**Received** : 13 May 2024  
**Tested** : 17 May 2024  
**Diagnosed** : 17 May 2024 - Jonathan Hester

**ENERGY TRANSFER - WAYNE**  
 4410 TREADWELL  
 WAYNE, MI  
 US 48184  
 Contact: SCOTT VERHELLE

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)

T: (313)580-0267

F: