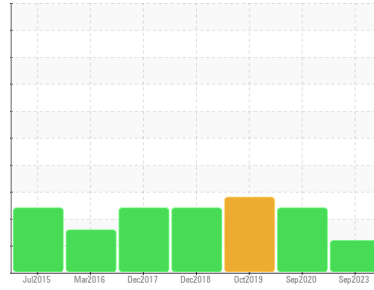




PROBLEM SUMMARY

Sample Rating Trend



ISO



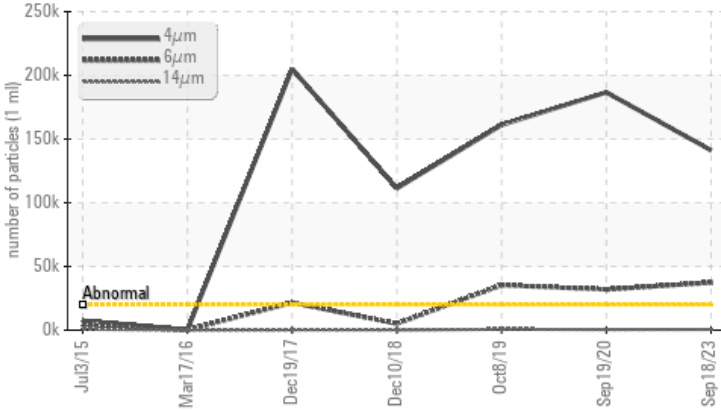
Machine Id
TY/NY/6FM-GB

Component
Gearbox

Fluid
ROYAL PURPLE THERMYL-GLYDE 320 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Particles >4µm	ASTM D7647	>20000	▲ 141220	▲ 186691	▲ 161041
Particles >6µm	ASTM D7647	>5000	▲ 37376	▲ 31893	▲ 35292
Oil Cleanliness	ISO 4406 (c)	>21/19/16	▲ 24/22/16	▲ 25/22/16	▲ 25/22/17

Customer Id: JPOWERBD
Sample No.: WC0695240
Lab Number: 05963534
Test Package: PLANT



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

19 Sep 2020 Diag: Doug Bogart

WEAR



No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or gear wear is indicated. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



08 Oct 2019 Diag: Jonathan Hester

WEAR



We recommend you service the filters on this component. Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory data updates. Bearing and/or gear wear is indicated. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



10 Dec 2018 Diag: Jonathan Hester

WEAR



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. Bearing and/or gear wear is indicated. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

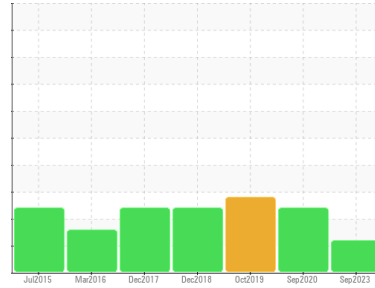
view report





OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
TY/NY/6FM-GB

Component
Gearbox

Fluid
ROYAL PURPLE THERMYL-GLYDE 320 (--- 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 high amount of silt (particulates < 14 microns in size) 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		WC0695240	WC0407658	WC12327188
Sample Date	Client Info		18 Sep 2023	19 Sep 2020	08 Oct 2019
Machine Age	mths	Client Info	0	0	0
Oil Age	mths	Client Info	99	63	62
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	9	11	8
Chromium	ppm	ASTM D5185m >15	0	<1	0
Nickel	ppm	ASTM D5185m >15	0	0	<1
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m	0	1	0
Aluminum	ppm	ASTM D5185m >25	<1	<1	<1
Lead	ppm	ASTM D5185m >100	33	▲ 204	▲ 221
Copper	ppm	ASTM D5185m >200	91	▲ 246	▲ 209
Tin	ppm	ASTM D5185m >25	<1	1	0
Antimony	ppm	ASTM D5185m >5	---	813	787
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	5	<1
Barium	ppm	ASTM D5185m	0	0	<1
Molybdenum	ppm	ASTM D5185m	0	<1	0
Manganese	ppm	ASTM D5185m	<1	0	0
Magnesium	ppm	ASTM D5185m	0	1	<1
Calcium	ppm	ASTM D5185m	28	19	15
Phosphorus	ppm	ASTM D5185m	174	275	254
Zinc	ppm	ASTM D5185m	201	1210	1058
Sulfur	ppm	ASTM D5185m	22323	11623	11019

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	5	6	6
Sodium	ppm	ASTM D5185m	4	2	2
Potassium	ppm	ASTM D5185m >20	0	0	2

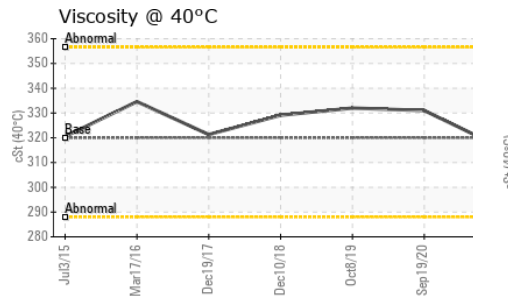
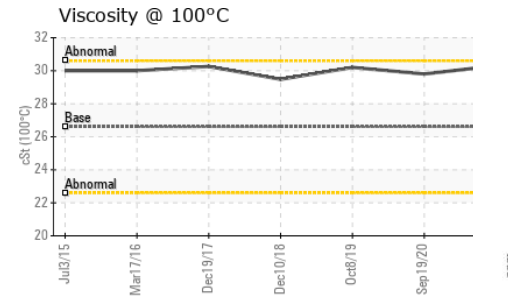
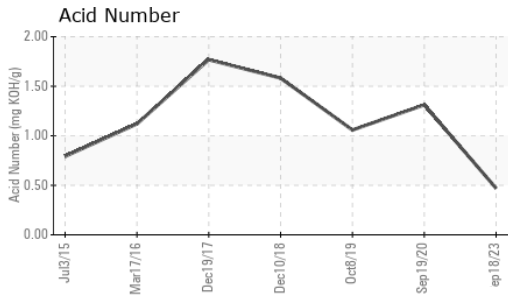
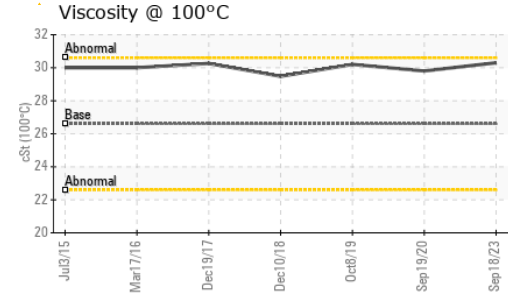
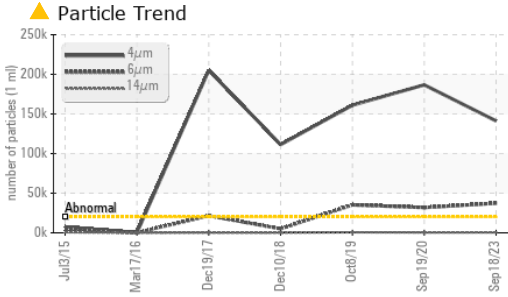
FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>20000	▲ 141220	▲ 186691	▲ 161041
Particles >6µm	ASTM D7647	>5000	▲ 37376	▲ 31893	▲ 35292
Particles >14µm	ASTM D7647	>640	528	434	▲ 672
Particles >21µm	ASTM D7647	>160	60	77	90
Particles >38µm	ASTM D7647	>40	1	1	1
Particles >71µm	ASTM D7647	>10	0	0	0
Oil Cleanliness	ISO 4406 (c)	>21/19/16	▲ 24/22/16	▲ 25/22/16	▲ 25/22/17

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.47	1.312	1.058

OIL ANALYSIS REPORT



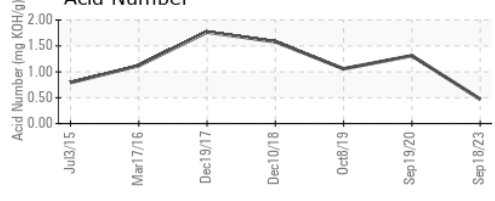
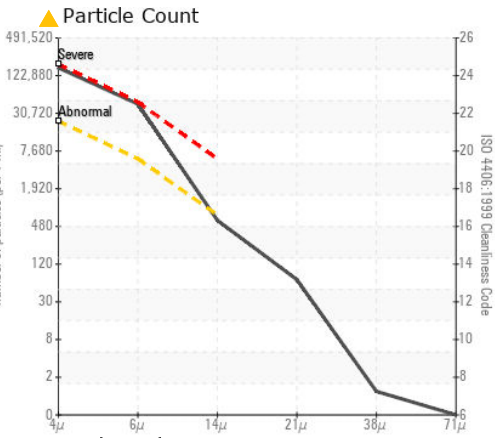
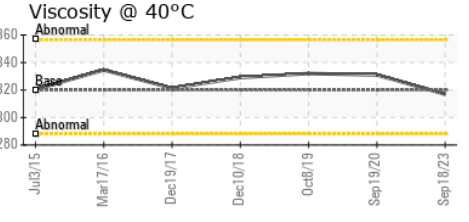
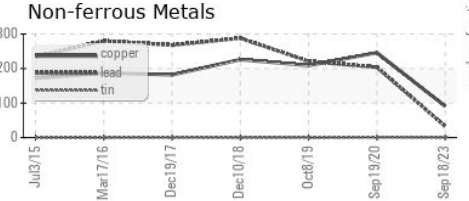
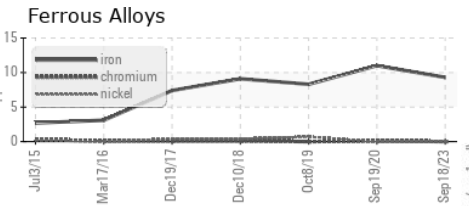
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	320	317	331
Visc @ 100°C	cSt	ASTM D445	26.6	30.3	29.8
Viscosity Index (VI)	Scale	ASTM D2270	110	131	123

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color				
Bottom				

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0695240 **Received** : 28 Sep 2023
Lab Number : 05963534 **Diagnosed** : 29 Sep 2023
Unique Number : 10670085 **Diagnostician** : Don Baldrige
Test Package : PLANT (Additional Tests: KV100, VI)

J/POWER-BD
 JP
 Contact: KENTO OKUHARA
 Mitsuo_Miyahara@jpower.co.jp
 T:
 F: x:

Certificate L2367
 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)