



PROBLEM SUMMARY

Sample Rating Trend



VISUAL METAL

Machine Id
ROYLE SPIROD (S/N 4608R)
 Component
Gearbox
 Fluid
MOBIL SHC 634 (21 GAL)

COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

We advise that you inspect for possible wear.
 Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
White Metal	scalar	*Visual	NONE	▲ HEAVY	---	---

Customer Id: PRICHA
Sample No.: WCI2344642
Lab Number: 04702432
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
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

VISUAL METAL

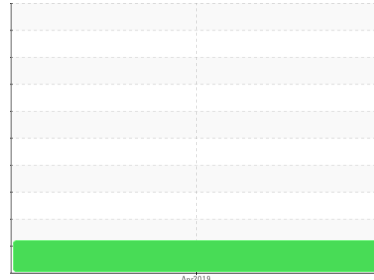
Machine Id
ROYLE SPIROD (S/N 4608R)

Component

Gearbox

Fluid

MOBIL SHC 634 (21 GAL)



DIAGNOSIS

▲ Recommendation

We advise that you inspect for possible wear. Resample at the next service interval to monitor.

▲ Wear

High concentration of visible metal present. All component wear rates are normal.

Contamination

There is no indication of any contamination 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		WCI2344642	---	---
Sample Date	Client Info		25 Apr 2019	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	140	---	---
Chromium	ppm	ASTM D5185m >15	<1	---	---
Nickel	ppm	ASTM D5185m >15	<1	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m >25	<1	---	---
Lead	ppm	ASTM D5185m >100	13	---	---
Copper	ppm	ASTM D5185m >200	150	---	---
Tin	ppm	ASTM D5185m >25	16	---	---
Antimony	ppm	ASTM D5185m	0	---	---
Vanadium	ppm	ASTM D5185m	<1	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 3.6	0	---	---
Barium	ppm	ASTM D5185m 0.0	0	---	---
Molybdenum	ppm	ASTM D5185m 0.0	0	---	---
Manganese	ppm	ASTM D5185m	2	---	---
Magnesium	ppm	ASTM D5185m 0.0	<1	---	---
Calcium	ppm	ASTM D5185m 0.4	1	---	---
Phosphorus	ppm	ASTM D5185m 838	420	---	---
Zinc	ppm	ASTM D5185m 1.0	28	---	---
Sulfur	ppm	ASTM D5185m 386	52	---	---

CONTAMINANTS

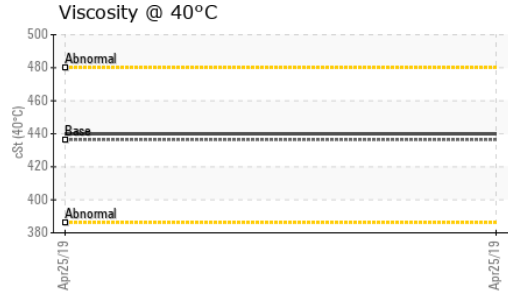
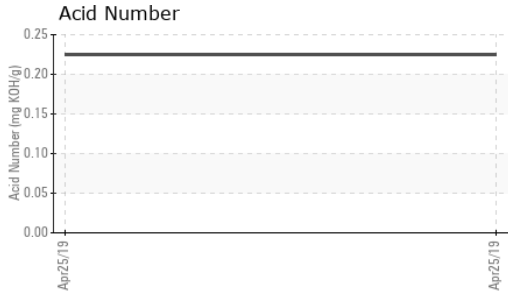
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	19	---	---
Sodium	ppm	ASTM D5185m	2	---	---
Potassium	ppm	ASTM D5185m >20	4	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.225	---	---



OIL ANALYSIS REPORT



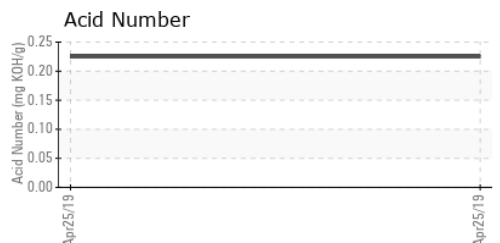
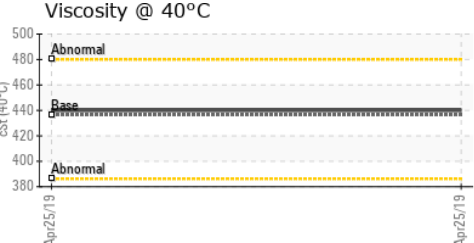
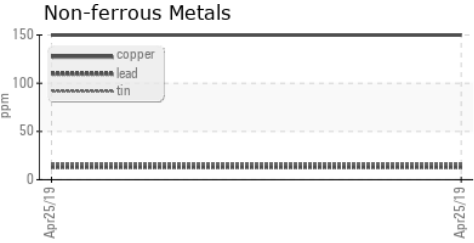
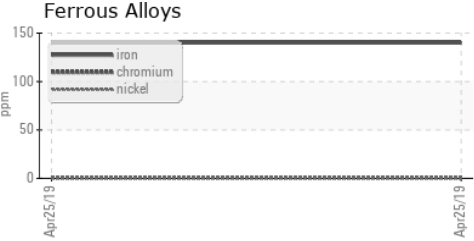
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	▲ HEAVY	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	436.4	440	---

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. : WC12344642 **Received** : 29 Apr 2019
Lab Number : 04702432 **Diagnosed** : 30 Apr 2019
Unique Number : 8578954 **Diagnostician** : Don Baldrige
Test Package : IND 2

PRINSCO - CHATSWORTH
 PO BOX 727
 CHATSWORTH, IL
 US 60921
 Contact: JUSTIN MYER
 justin.myer@prinsco.com
 T:
 F:

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)