



Machine Id
ROLLS ROYCE SIGNET RELIANCE (S/N Z-DRIVE GEAR)

Component
Port Reduction Gear

Fluid
CHEVRON MEROPA 100 (275 GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

Appearance is hazy. There is no indication of any contamination in the oil.

FLUID CONDITION

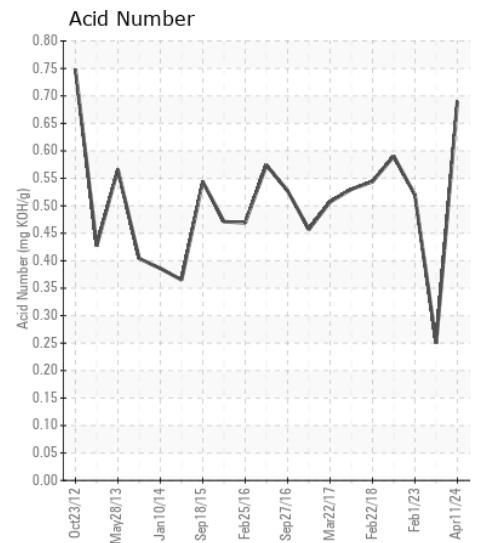
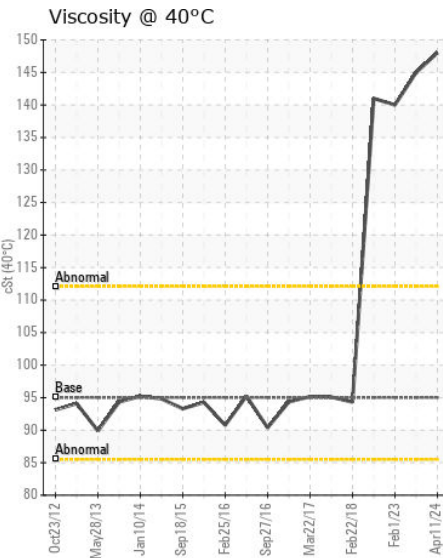
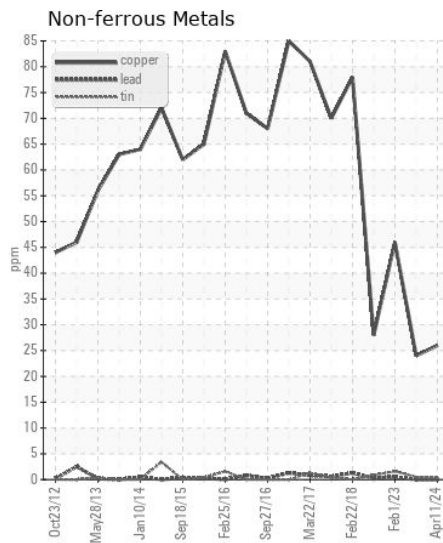
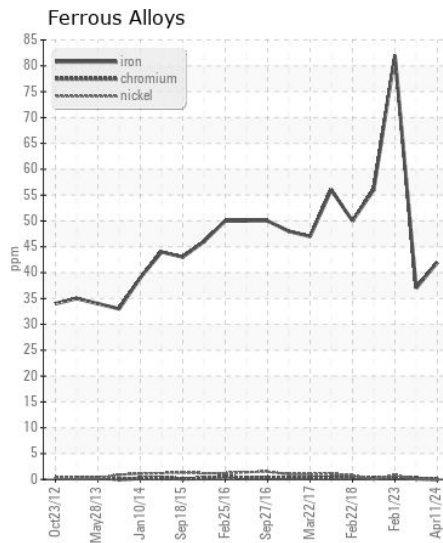
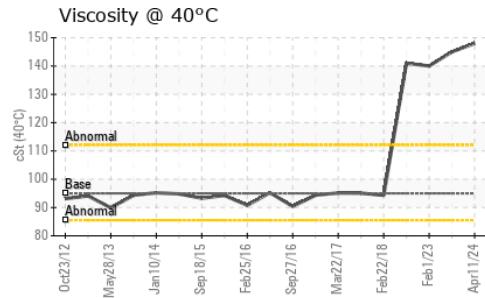
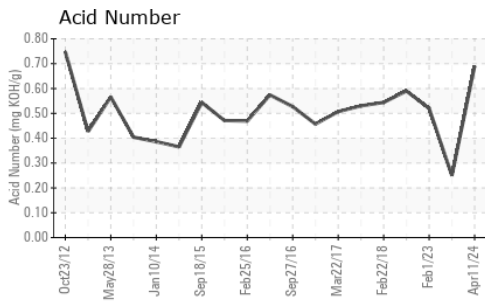
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0052107	MW0034668	MW0034678
Sample Date		Client Info		11 Apr 2024	24 Jan 2024	01 Feb 2023
Machine Age	hrs	Client Info		26509	26260	25213
Oil Age	hrs	Client Info		841	600	7398
Filter Age	hrs	Client Info		841	600	7398
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		Changed	Changed	Not Changd
Sample Status				ATTENTION	NORMAL	ATTENTION

Iron	ppm	ASTM D5185m	>200	42	37	82
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		<1	2	0
Lead	ppm	ASTM D5185m		0	0	<1
Copper	ppm	ASTM D5185m		26	24	46
Tin	ppm	ASTM D5185m		<1	<1	2
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m		0	<1	2
Potassium	ppm	ASTM D5185m	>20	4	3	4
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	HAZY	NORML	HAZY
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	▲ 0.2%

Sodium	ppm	ASTM D5185m		36	28	80
Boron	ppm	ASTM D5185m		13	16	6
Barium	ppm	ASTM D5185m		0	11	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	2
Magnesium	ppm	ASTM D5185m		5	7	13
Calcium	ppm	ASTM D5185m		28	17	27
Phosphorus	ppm	ASTM D5185m		254	291	223
Zinc	ppm	ASTM D5185m		5	0	18
Sulfur	ppm	ASTM D5185m		8439	7471	10535
Acid Number (AN)	mg KOH/g	ASTM D8045		0.69	0.25	0.52
Visc @ 40°C	cSt	ASTM D445	95	148	145	140



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : MW0052107

Lab Number : 06153243

Unique Number : 10983321

Test Package : MAR 2

Received : 18 Apr 2024

Tested : 19 Apr 2024

Diagnosed : 23 Apr 2024 - Don Baldrige

MARITIME COMPANY

3802 PORT RIVER RD

PASCAGOULA, MS

US 39567

Contact: TERRY SCUDDER

terry.scudder@signetmaritime.com

T:

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)

F: (228)769-0629