



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
COVINGTON
Component
Starboard Reduction Gear
Fluid
CHEVRON MEROPA 320 (--- GAL)

RECOMMENDATION

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

WEAR

Gear wear is indicated.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

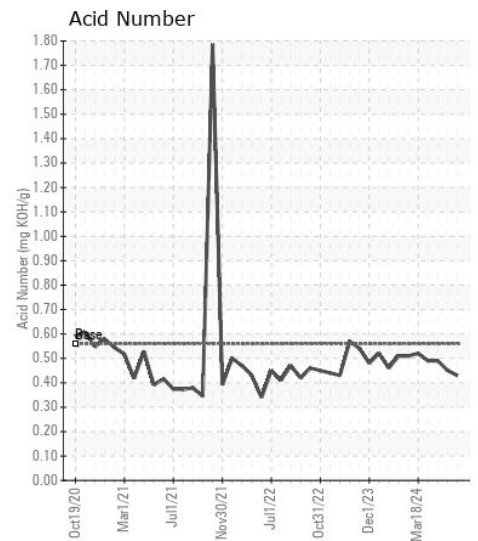
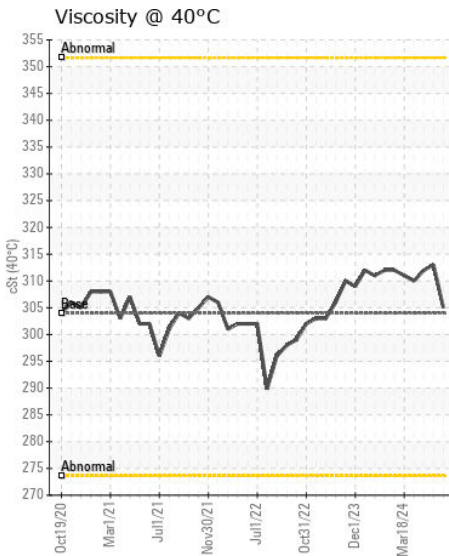
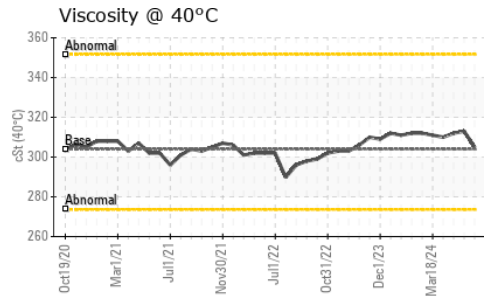
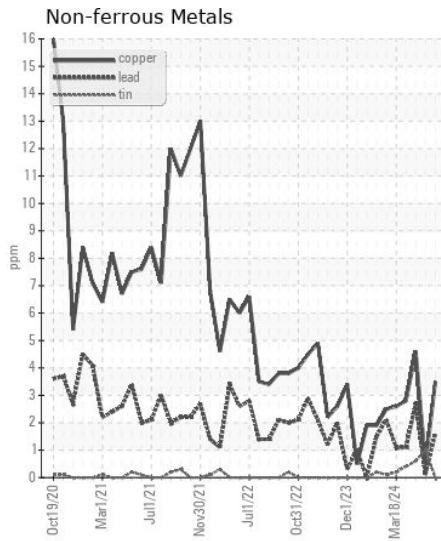
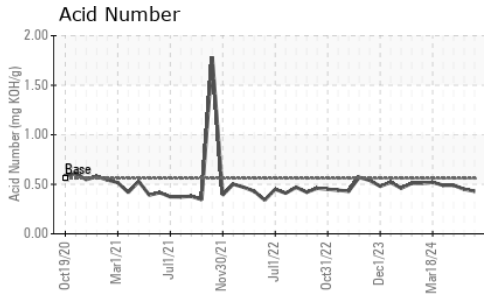
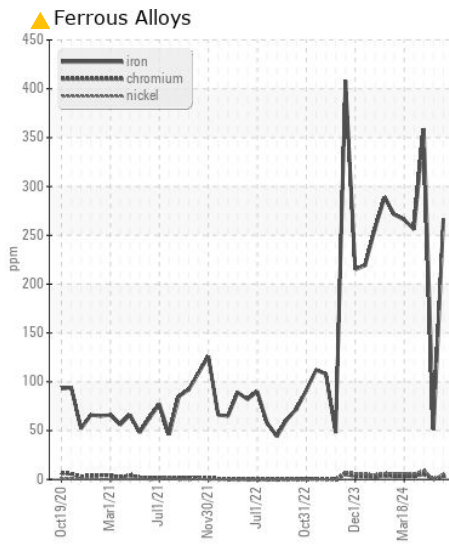
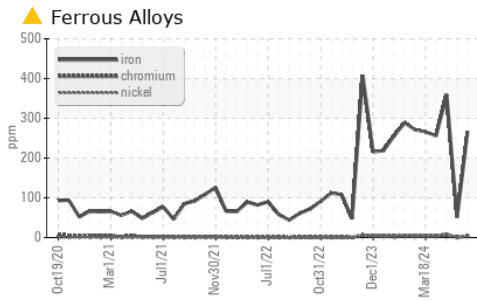
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0069924	MW0069918	MW0069949
Sample Date		Client Info		01 Jul 2024	01 Jun 2024	01 May 2024
Machine Age	hrs	Client Info		5914	5368	4835
Oil Age	hrs	Client Info		5919	0	4835
Filter Age	hrs	Client Info		500	0	500
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL

Iron	ppm	ASTM D5185m	>150	▲ 267	51	▲ 359
Chromium	ppm	ASTM D5185m	>10	3	<1	5
Nickel	ppm	ASTM D5185m	>10	6	<1	9
Titanium	ppm	ASTM D5185m		2	<1	3
Silver	ppm	ASTM D5185m		<1	0	1
Aluminum	ppm	ASTM D5185m	>25	4	6	8
Lead	ppm	ASTM D5185m	>100	2	<1	3
Copper	ppm	ASTM D5185m	>50	4	<1	5
Tin	ppm	ASTM D5185m	>10	0	1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>50	8	2	14
Potassium	ppm	ASTM D5185m	>20	2	4	3
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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	>0.1	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m		<1	13	3
Boron	ppm	ASTM D5185m	20	15	0	24
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m	0	1	<1	2
Manganese	ppm	ASTM D5185m		2	0	4
Magnesium	ppm	ASTM D5185m		9	17	14
Calcium	ppm	ASTM D5185m	25	24	10	51
Phosphorus	ppm	ASTM D5185m	235	229	4	325
Zinc	ppm	ASTM D5185m		13	4	24
Sulfur	ppm	ASTM D5185m		5994	6036	9914
Acid Number (AN)	mg KOH/g	ASTM D8045	0.56	0.43	0.45	0.49
Visc @ 40°C	cSt	ASTM D445	304	305	313	312



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW0069924
Lab Number : 06234002
Unique Number : 11122836
Test Package : MAR 2

Received : 11 Jul 2024
Tested : 12 Jul 2024
Diagnosed : 13 Jul 2024 - Don Baldrige

C & B MARINE
 50 E RIVERCENTER BLVD, SUITE 1180
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 US 41011

Contact: DAVID WESTRICH
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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)