



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

ROBIN B INGRAM

Machine Id

[ROBIN B INGRAM] 004 617985-4

Component

Port Reduction Gear

Fluid

CHEVRON MEROPA 320 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW06221841	MW06193065	MW06159844
Sample Date		Client Info		01 Jun 2024	28 May 2024	01 Apr 2024
Machine Age	hrs	Client Info		66175	65757	64747
Oil Age	hrs	Client Info		66175	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	67	66	70
Chromium	ppm	ASTM D5185m	>10	0	<1	1
Nickel	ppm	ASTM D5185m	>10	<1	1	2
Titanium	ppm	ASTM D5185m		1	2	2
Silver	ppm	ASTM D5185m		0	1	<1
Aluminum	ppm	ASTM D5185m	>25	6	6	6
Lead	ppm	ASTM D5185m	>100	<1	<1	2
Copper	ppm	ASTM D5185m	>50	4	6	6
Tin	ppm	ASTM D5185m	>10	<1	<1	1
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

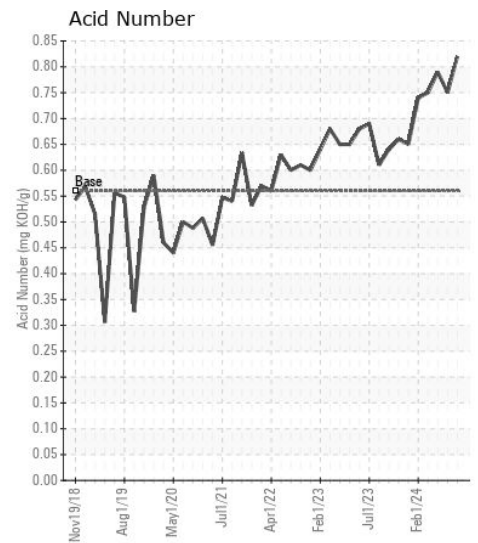
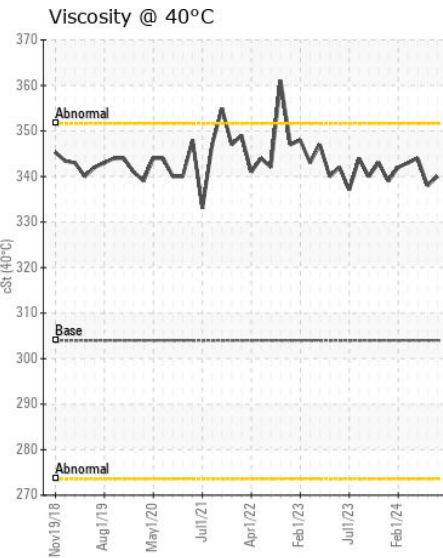
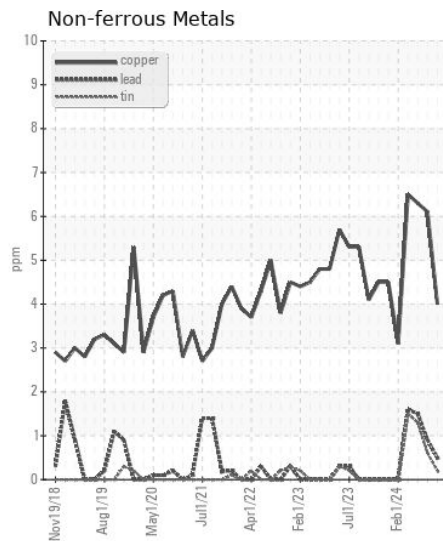
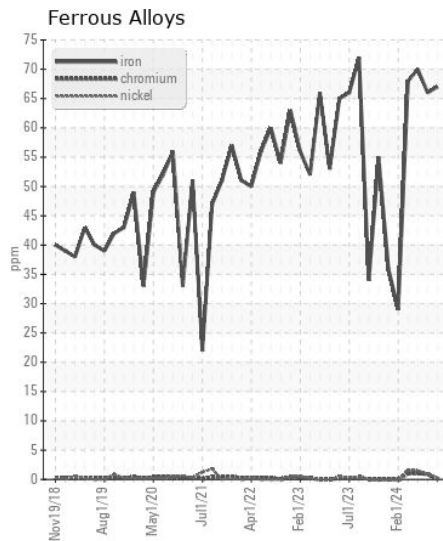
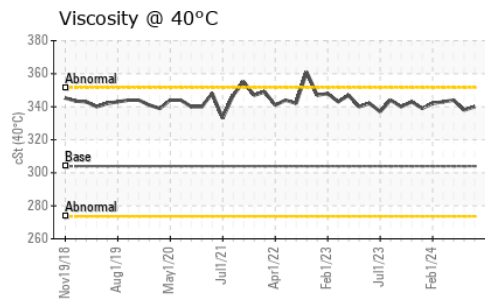
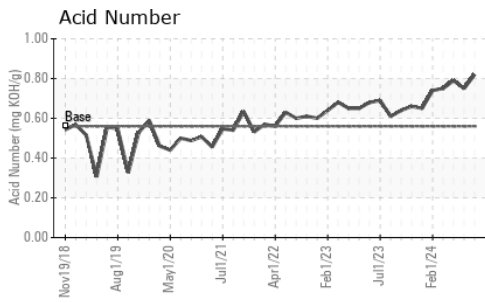
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	4	5	6
Potassium	ppm	ASTM D5185m	>20	2	2	3
Water	%	ASTM D6304	>0.1	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	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	5	4
Boron	ppm	ASTM D5185m	20	2	1	2
Barium	ppm	ASTM D5185m		10	14	16
Molybdenum	ppm	ASTM D5185m	0	7	9	9
Manganese	ppm	ASTM D5185m		1	1	2
Magnesium	ppm	ASTM D5185m		0	2	3
Calcium	ppm	ASTM D5185m	25	95	165	103
Phosphorus	ppm	ASTM D5185m	235	250	201	250
Zinc	ppm	ASTM D5185m		18	8	4
Sulfur	ppm	ASTM D5185m		8014	5786	7423
Acid Number (AN)	mg KOH/g	ASTM D8045	0.56	0.82	0.75	0.79
Visc @ 40°C	cSt	ASTM D445	304	340	338	344



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW06221841 **Received** : 26 Jun 2024
Lab Number : 06221841 **Tested** : 01 Jul 2024
Unique Number : 11100038 **Diagnosed** : 01 Jul 2024 - Jonathan Hester
Test Package : MAR 2 (Additional Tests: KF, PrtCount)

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)

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