



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
ELEANOR G MCDONALD
 Machine Id
[ELEANOR G MCDONALD] 004 552824-4
 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		MW0065701	MW0055474	MW0055468
Sample Date		Client Info		05 Mar 2024	01 Jan 2024	01 Dec 2023
Machine Age	hrs	Client Info		179962	179452	178693
Oil Age	hrs	Client Info		12723	12213	11454
Filter Age	hrs	Client Info		12723	0	11454
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	None	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	64	66	69
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	<1	1
Lead	ppm	ASTM D5185m	>100	18	18	18
Copper	ppm	ASTM D5185m	>50	5	4	5
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

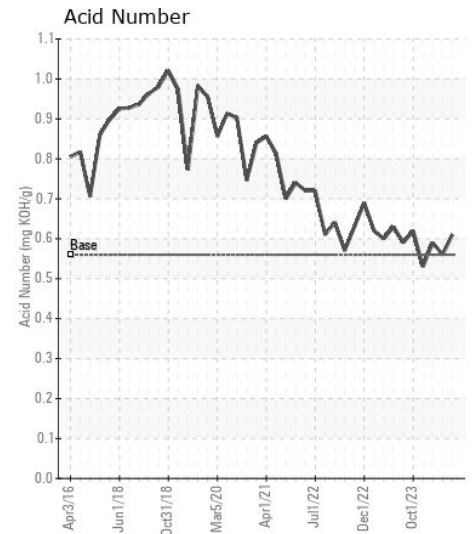
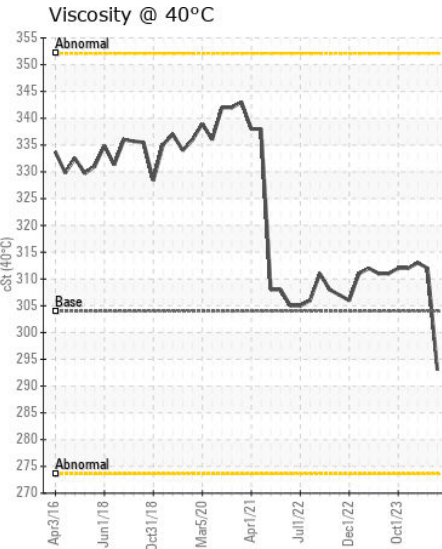
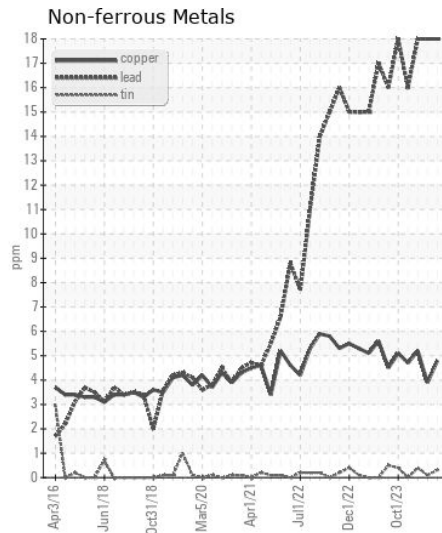
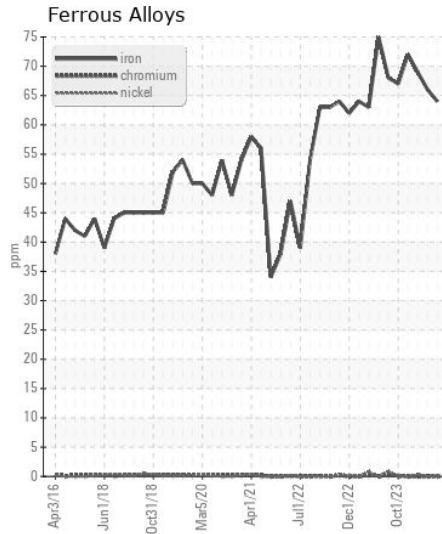
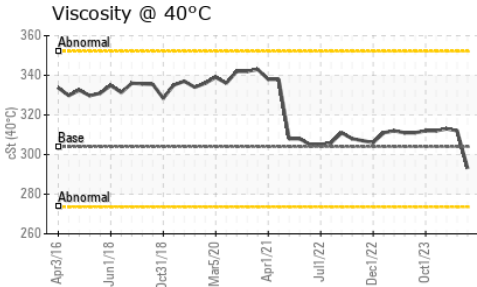
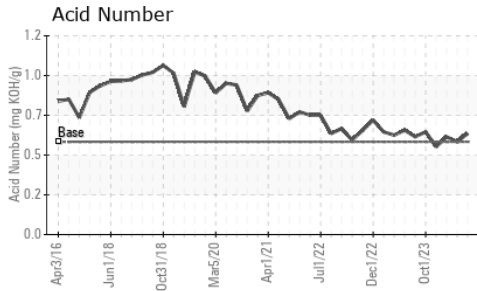
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	4	3	5
Potassium	ppm	ASTM D5185m	>20	2	0	2
Water		WC Method	>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		12	13	12
Boron	ppm	ASTM D5185m	20	31	4	11
Barium	ppm	ASTM D5185m		8	8	8
Molybdenum	ppm	ASTM D5185m	0	3	0	<1
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m		10	2	5
Calcium	ppm	ASTM D5185m	25	210	27	30
Phosphorus	ppm	ASTM D5185m	235	355	296	294
Zinc	ppm	ASTM D5185m		69	0	0
Sulfur	ppm	ASTM D5185m		6655	5763	5926
Acid Number (AN)	mg KOH/g	ASTM D8045	0.56	0.61	0.56	0.59
Visc @ 40°C	cSt	ASTM D445	304	293	312	313



Certificate L2367

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

Sample No. : MW0065701

Lab Number : 06121688

Unique Number : 10930521

Test Package : MAR 2

Received : 18 Mar 2024

Tested : 19 Mar 2024

Diagnosed : 21 Mar 2024 - Jonathan Hester

INGRAM BARGE

900 S 3RD ST

PADUCAH, KY

US 42003

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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)