



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
GALE C
Machine Id
[GALE C] 002 550006-2
Component
Center Main Engine
Fluid
CHEVRON DELO 710 LE (225 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0063263	MW0065710	MW0058521
Sample Date		Client Info		14 Mar 2024	01 Feb 2024	01 Jan 2024
Machine Age	hrs	Client Info		12912	11893	11136
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	292	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>75	10	11	10
Chromium	ppm	ASTM D5185m	>8	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	<1	<1
Titanium	ppm	ASTM D5185m	>3	0	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>15	1	2	2
Lead	ppm	ASTM D5185m	>18	4	9	8
Copper	ppm	ASTM D5185m	>80	9	10	11
Tin	ppm	ASTM D5185m	>14	3	6	6
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

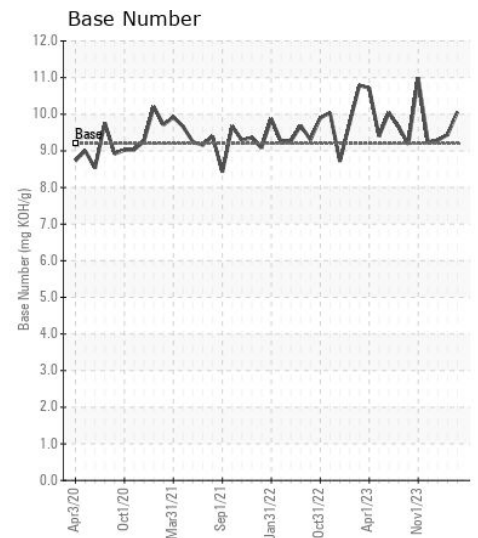
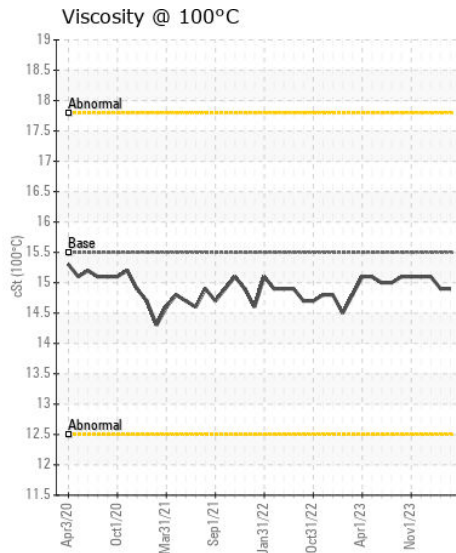
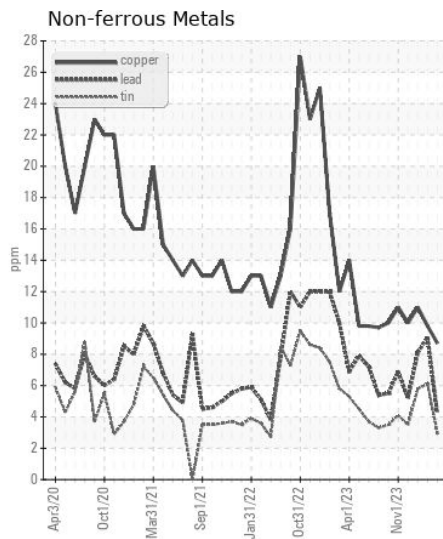
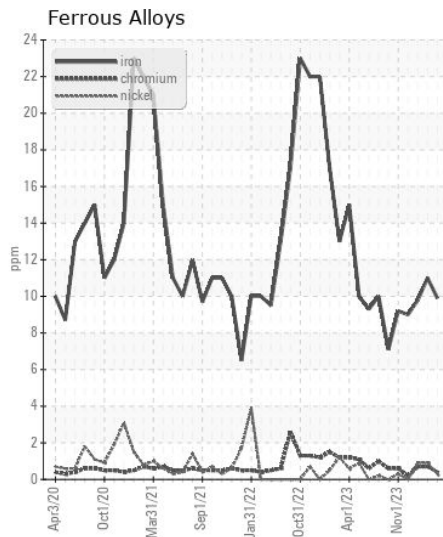
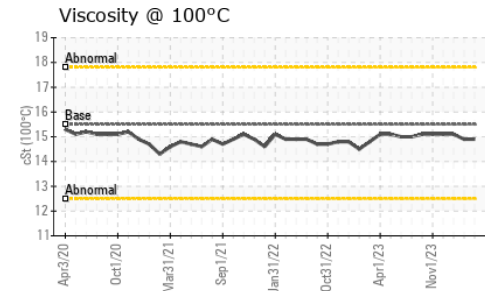
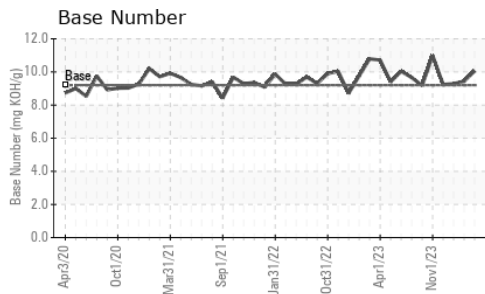
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	7	16	6
Potassium	ppm	ASTM D5185m	>20	0	2	1
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.2	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	7.9	8.2	8.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.0	16.0	16.3
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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>75	46	127	25
Boron	ppm	ASTM D5185m		44	59	40
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		46	44	44
Manganese	ppm	ASTM D5185m		<1	1	1
Magnesium	ppm	ASTM D5185m		37	14	14
Calcium	ppm	ASTM D5185m		3626	3704	3790
Phosphorus	ppm	ASTM D5185m		18	5	5
Zinc	ppm	ASTM D5185m	10	25	13	12
Sulfur	ppm	ASTM D5185m		2683	2387	2413
Oxidation	Abs/.1mm	*ASTM D7414	>25	8.8	8.8	9.5
Base Number (BN)	mg KOH/g	ASTM D2896	9.2	10.06	9.44	9.29
Visc @ 100°C	cSt	ASTM D445	15.5	14.9	14.9	15.1



Certificate L2367

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

Sample No. : MW0063263

Lab Number : 06125826

Unique Number : 10939977

Test Package : MAR 2

Received : 21 Mar 2024

Tested : 24 Mar 2024

Diagnosed : 24 Mar 2024 - Wes Davis

INGRAM BARGE

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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)