



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
ELIZABETH R CHASE
Machine Id
[ELIZABETH R CHASE] 007 663777-7
Component
Port Genset
Fluid
CHEVRON DELO 400 XLE 15W40 (5 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0066066	MW0049701	MW0049700
Sample Date		Client Info		19 Jan 2024	09 Dec 2023	06 Sep 2023
Machine Age	hrs	Client Info		4674	1900	698
Oil Age	hrs	Client Info		450	350	364
Filter Age	hrs	Client Info		450	350	364
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	21	12	16
Chromium	ppm	ASTM D5185m	>4	1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Titanium	ppm	ASTM D5185m		9	<1	<1
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>12	2	2	3
Lead	ppm	ASTM D5185m	>17	0	<1	<1
Copper	ppm	ASTM D5185m	>70	<1	1	7
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

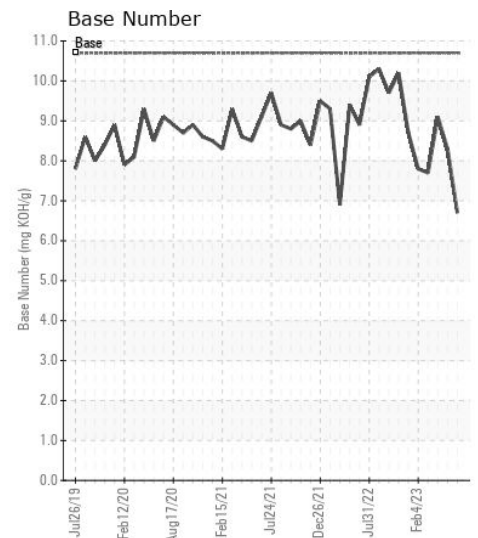
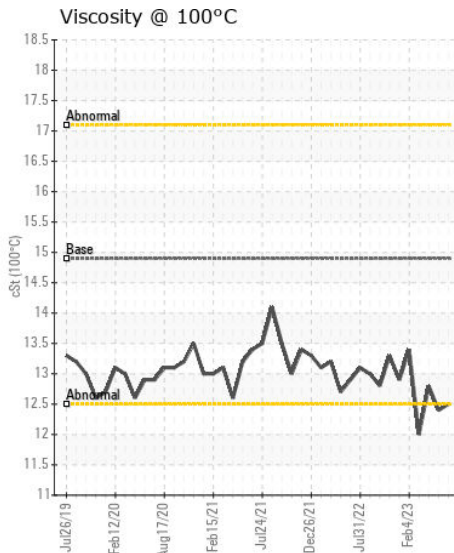
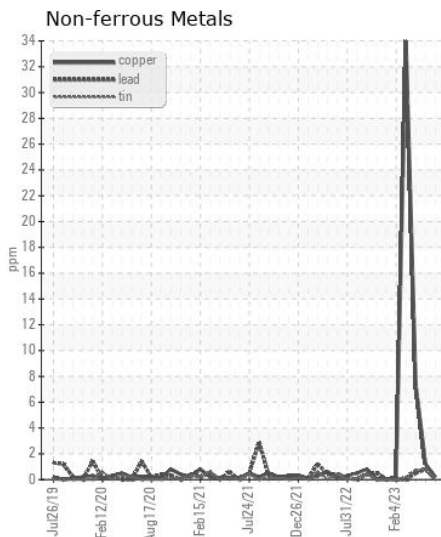
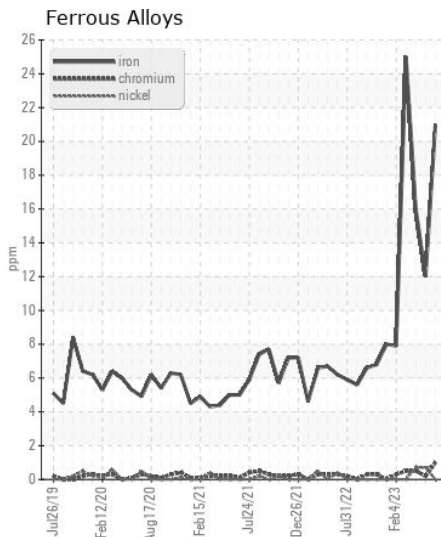
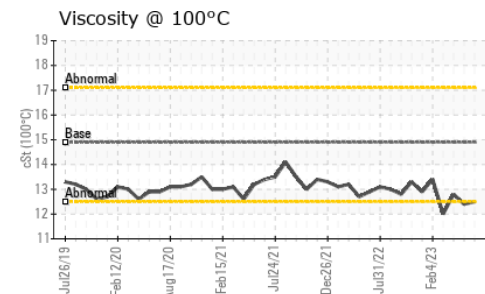
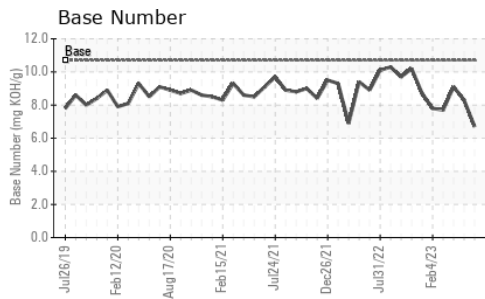
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	6	7	10
Potassium	ppm	ASTM D5185m	>20	<1	2	2
Fuel		WC Method	>4.0	<1.0	1.9	<1.0
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	8.6	8.0	12.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.3	22.3	27.2
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		2	0	2
Boron	ppm	ASTM D5185m		201	417	182
Barium	ppm	ASTM D5185m		0	14	0
Molybdenum	ppm	ASTM D5185m		50	118	119
Manganese	ppm	ASTM D5185m		2	3	2
Magnesium	ppm	ASTM D5185m		610	532	651
Calcium	ppm	ASTM D5185m		1451	1552	1474
Phosphorus	ppm	ASTM D5185m	760	784	873	671
Zinc	ppm	ASTM D5185m	830	910	1044	856
Sulfur	ppm	ASTM D5185m	2770	3017	3369	2549
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.2	17.6	27.0
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	6.7	8.3	9.1
Visc @ 100°C	cSt	ASTM D445	14.9	12.5	12.4	12.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW0066066
Lab Number : 06103594
Unique Number : 10901824
Test Package : MAR 2

Received : 28 Feb 2024
Tested : 29 Feb 2024
Diagnosed : 29 Feb 2024 - Wes Davis

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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)