



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

G ALLEN OLDHAM

Machine Id

[G ALLEN OLDHAM] 007 530090-7

Component

Port Genset

Fluid

CHEVRON DELO 400 MULTIGRADE 15W40 (6 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0064785	MW0060360	MW0055242
Sample Date		Client Info		27 May 2024	02 Dec 2023	01 Nov 2023
Machine Age	hrs	Client Info		5764	4980	4608
Oil Age	hrs	Client Info		433	372	410
Filter Age	hrs	Client Info		433	372	410
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	MARGINAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	8	7	6
Chromium	ppm	ASTM D5185m	>4	<1	<1	0
Nickel	ppm	ASTM D5185m	>2	<1	0	0
Titanium	ppm	ASTM D5185m		5	4	2
Silver	ppm	ASTM D5185m	>5	<1	0	0
Aluminum	ppm	ASTM D5185m	>12	4	2	1
Lead	ppm	ASTM D5185m	>17	1	1	0
Copper	ppm	ASTM D5185m	>70	1	<1	0
Tin	ppm	ASTM D5185m	>15	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

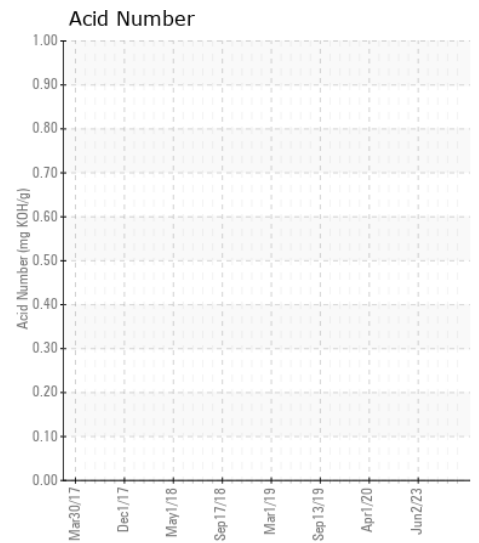
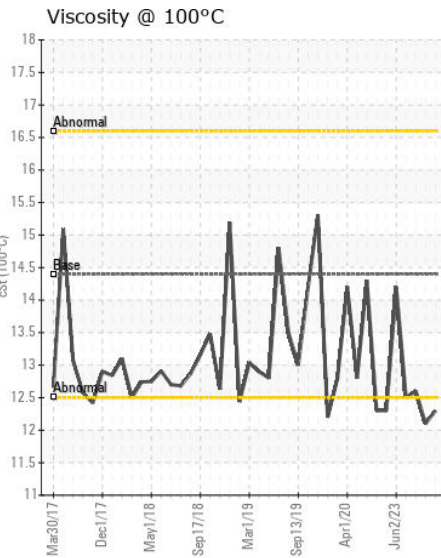
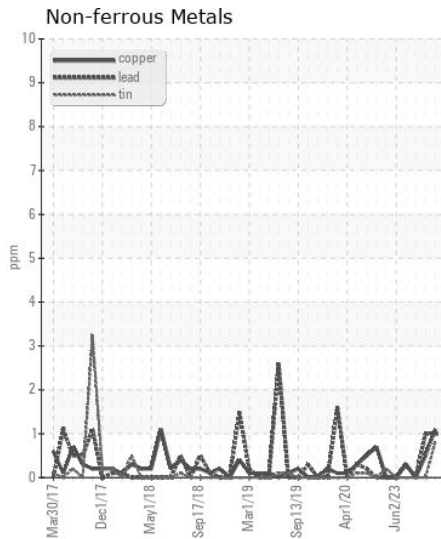
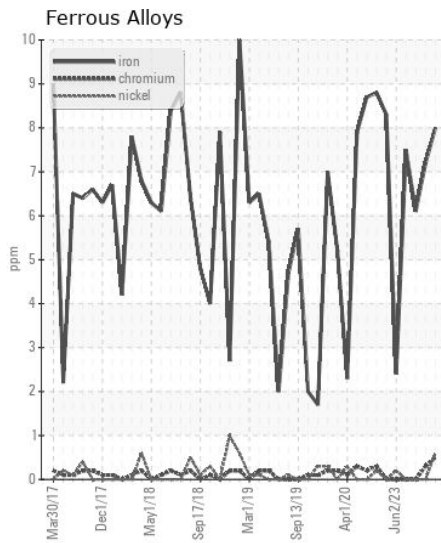
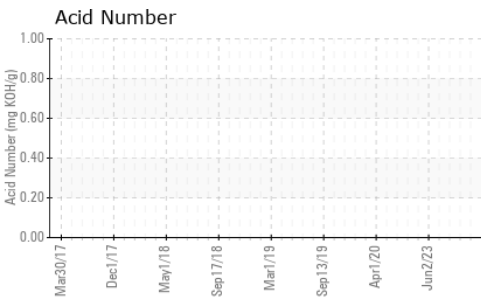
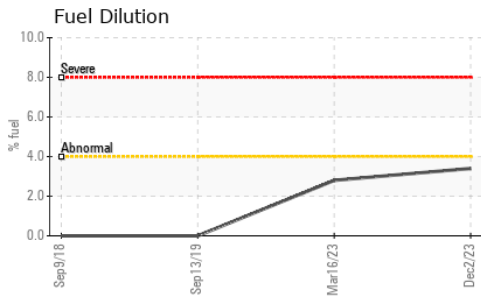
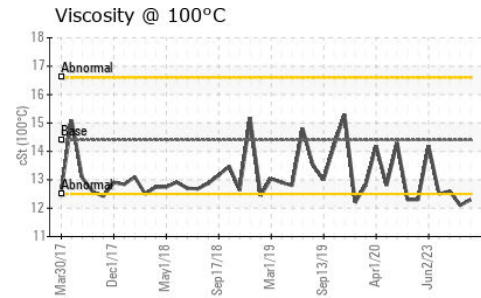
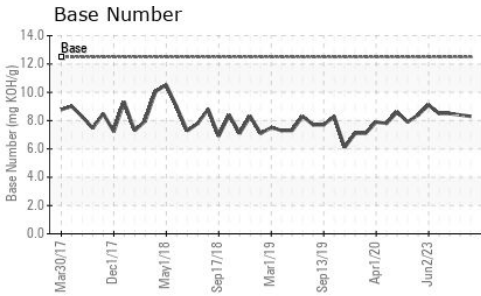
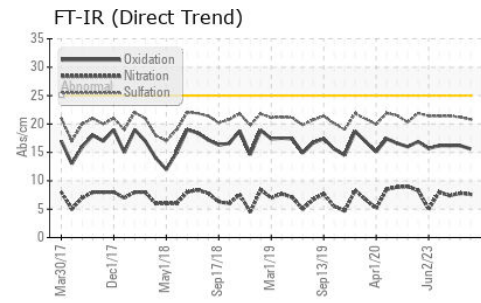
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	7	6	5
Potassium	ppm	ASTM D5185m	>20	2	0	<1
Fuel	%	ASTM D3524	>4.0	<1.0	▲ 3.4	<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	7.6	7.8	7.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8	21.2	21.4
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		1	0	<1
Boron	ppm	ASTM D5185m	151	300	308	310
Barium	ppm	ASTM D5185m	0.4	2	0	0
Molybdenum	ppm	ASTM D5185m	250	121	101	100
Manganese	ppm	ASTM D5185m		2	<1	0
Magnesium	ppm	ASTM D5185m	0	732	629	679
Calcium	ppm	ASTM D5185m	2046	1804	1496	1721
Phosphorus	ppm	ASTM D5185m	1043	811	671	755
Zinc	ppm	ASTM D5185m	943	982	818	946
Sulfur	ppm	ASTM D5185m	5012	3137	2637	2998
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.6	16.2	16.2
Base Number (BN)	mg KOH/g	ASTM D2896	12.5	8.3	8.4	8.5
Visc @ 100°C	cSt	ASTM D445	14.4	12.3	12.1	12.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW0064785
Lab Number : 06217861
Unique Number : 11096058
Test Package : MAR 2 (Additional Tests: FUELDILUTION, TAN Man)

Received : 24 Jun 2024
Tested : 25 Jun 2024
Diagnosed : 25 Jun 2024 - Jonathan Hester

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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)