



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
DAVID M OLAUGHLIN
Machine Id
[DAVID M OLAUGHLIN] 007 670547-7
Component
Port Genset
Fluid
CHEVRON DELO 400 XLE 15W40 (6 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW06234145	MW0064850	MW0043397
Sample Date		Client Info		25 Jun 2024	29 Apr 2024	29 Jan 2024
Machine Age	hrs	Client Info		40699	40088	38709
Oil Age	hrs	Client Info		40699	368	383
Filter Age	hrs	Client Info		0	368	383
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	>50	6	7	0
Chromium	ppm	ASTM D5185m	>4	0	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>5	0	<1	0
Aluminum	ppm	ASTM D5185m	>12	2	4	3
Lead	ppm	ASTM D5185m	>17	0	<1	0
Copper	ppm	ASTM D5185m	>70	0	1	0
Tin	ppm	ASTM D5185m	>15	0	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

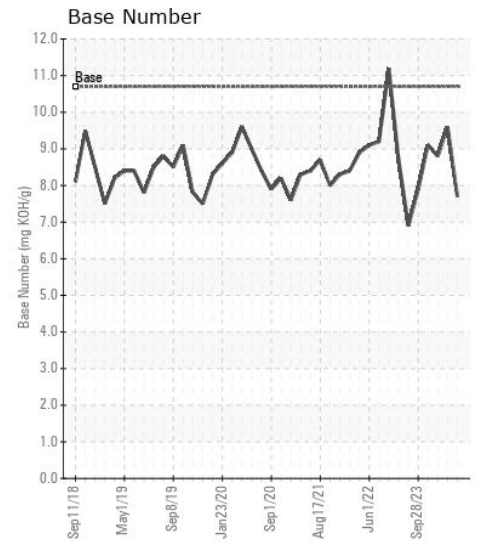
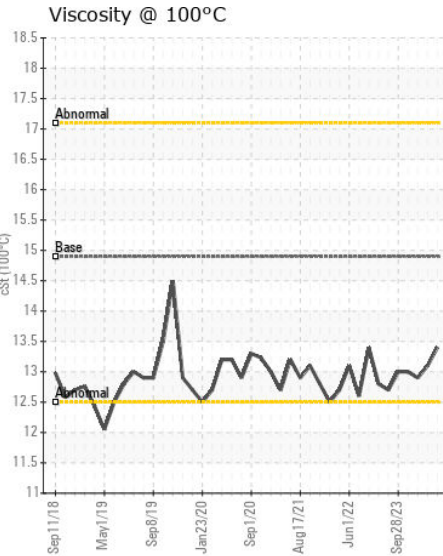
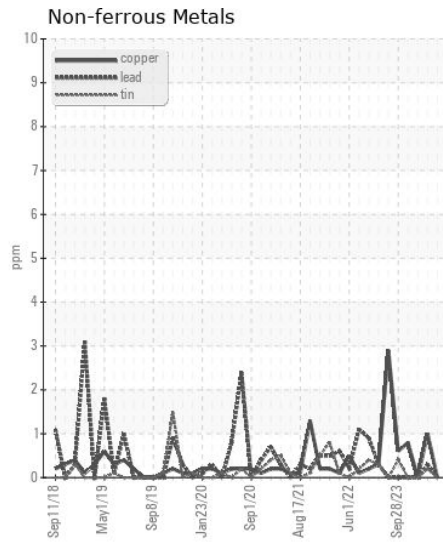
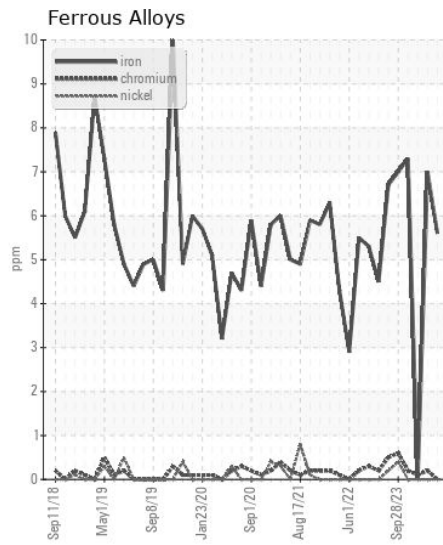
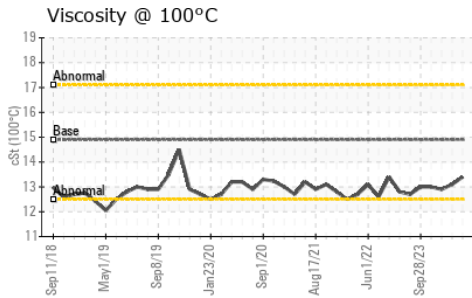
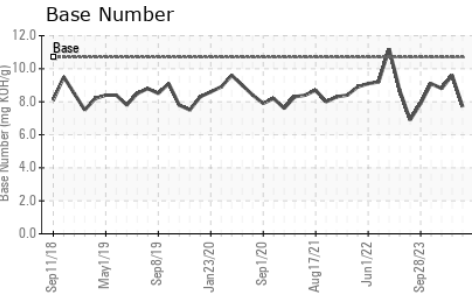
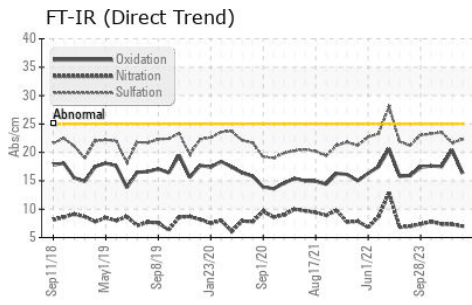
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	5	7	5
Potassium	ppm	ASTM D5185m	>20	0	2	0
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		0.1	0.2	0.1
Nitration	Abs/cm	*ASTM D7624	>20	7.0	7.3	7.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.3	21.7	23.5
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	1	0
Boron	ppm	ASTM D5185m		303	362	308
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		103	131	125
Manganese	ppm	ASTM D5185m		4	3	2
Magnesium	ppm	ASTM D5185m		490	645	659
Calcium	ppm	ASTM D5185m		1688	1612	1478
Phosphorus	ppm	ASTM D5185m	760	900	853	672
Zinc	ppm	ASTM D5185m	830	1068	934	818
Sulfur	ppm	ASTM D5185m	2770	3238	3014	2407
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.3	20.4	17.5
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	7.7	9.6	8.8
Visc @ 100°C	cSt	ASTM D445	14.9	13.4	13.1	12.9



Certificate L2367

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

Sample No. : MW06234145

Lab Number : 06234145

Unique Number : 11122979

Test Package : MAR 2

Received : 11 Jul 2024

Tested : 12 Jul 2024

Diagnosed : 12 Jul 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)