



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

DANIEL P MECKLENBORG

Machine Id

[DANIEL P MECKLENBORG] 007 608409-7

Component

Port Genset

Fluid

CHEVRON DELO 400 XLE 15W40 (7 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW06176432	MW06017687	MW0053468
Sample Date		Client Info		25 Apr 2024	06 Nov 2023	04 Oct 2023
Machine Age	hrs	Client Info		35884	34690	34284
Oil Age	hrs	Client Info		436	400	392
Filter Age	hrs	Client Info		0	0	392
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	6	5	8
Chromium	ppm	ASTM D5185m	>4	<1	0	<1
Nickel	ppm	ASTM D5185m	>2	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>12	3	4	3
Lead	ppm	ASTM D5185m	>17	<1	<1	<1
Copper	ppm	ASTM D5185m	>70	2	0	2
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

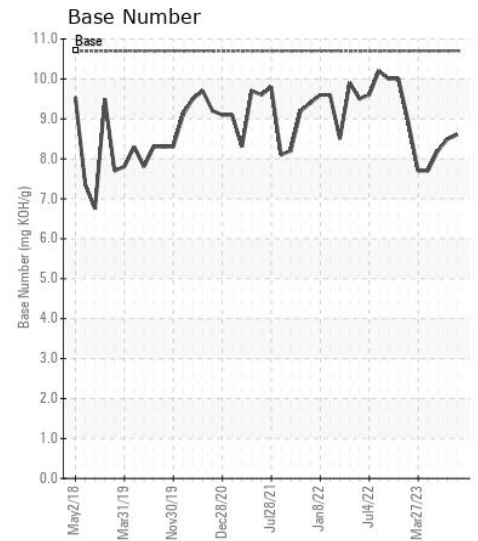
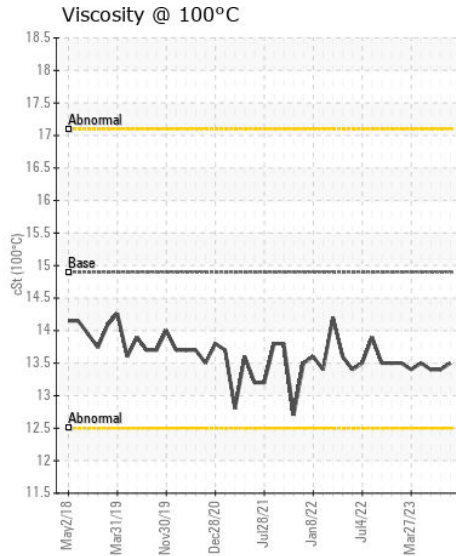
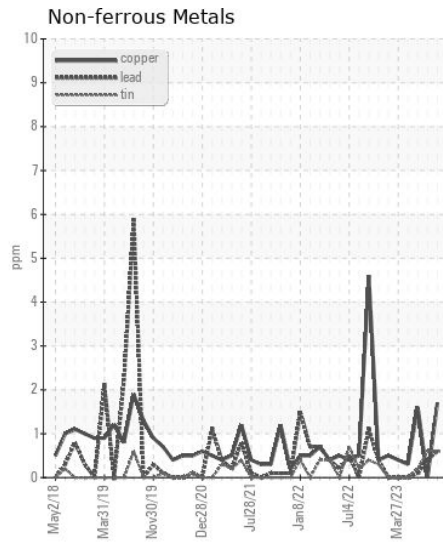
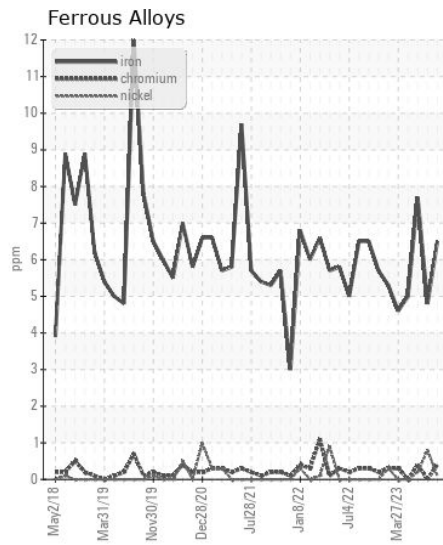
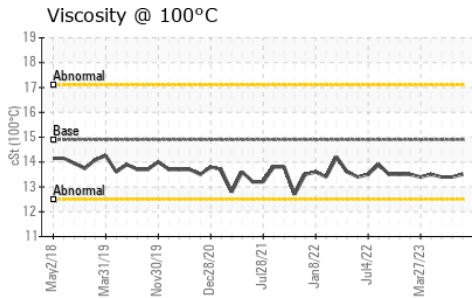
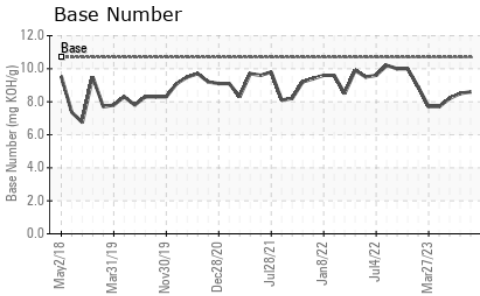
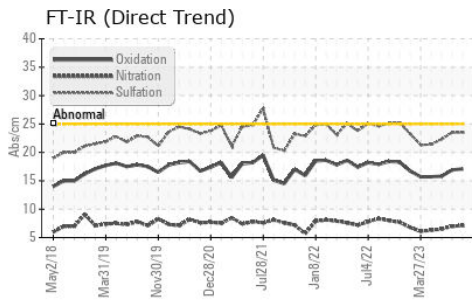
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	6	6	7
Potassium	ppm	ASTM D5185m	>20	2	1	<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		0.2	0.3	0.2
Nitration	Abs/cm	*ASTM D7624	>20	7.1	7.0	6.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.5	23.5	22.3
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		0	2	2
Boron	ppm	ASTM D5185m		391	293	356
Barium	ppm	ASTM D5185m		2	0	4
Molybdenum	ppm	ASTM D5185m		138	116	121
Manganese	ppm	ASTM D5185m		2	1	2
Magnesium	ppm	ASTM D5185m		647	634	595
Calcium	ppm	ASTM D5185m		1577	1507	1494
Phosphorus	ppm	ASTM D5185m	760	755	737	639
Zinc	ppm	ASTM D5185m	830	857	819	767
Sulfur	ppm	ASTM D5185m	2770	2767	2515	2268
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.1	16.9	15.8
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	8.6	8.5	8.2
Visc @ 100°C	cSt	ASTM D445	14.9	13.5	13.4	13.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW06176432
Lab Number : **06176432**
Unique Number : 11022485
Test Package : MAR 2
Received : 10 May 2024
Tested : 13 May 2024
Diagnosed : 13 May 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)