



Area
JAMES F NEAL
Machine Id
[JAMES F NEAL] 007 645834-7
Component
Port Genset
Fluid
CHEVRON DELO 400 XLE 15W40 (6 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0072242	MW0061480	MW0061406
Sample Date		Client Info		17 Jun 2024	27 Apr 2024	30 Oct 2023
Machine Age	hrs	Client Info		4482	4060	3336
Oil Age	hrs	Client Info		422	403	499
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ATTENTION	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	4	5	8
Chromium	ppm	ASTM D5185m	>4	<1	0	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>12	3	3	3
Lead	ppm	ASTM D5185m	>17	0	<1	0
Copper	ppm	ASTM D5185m	>70	0	0	<1
Tin	ppm	ASTM D5185m	>15	0	0	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

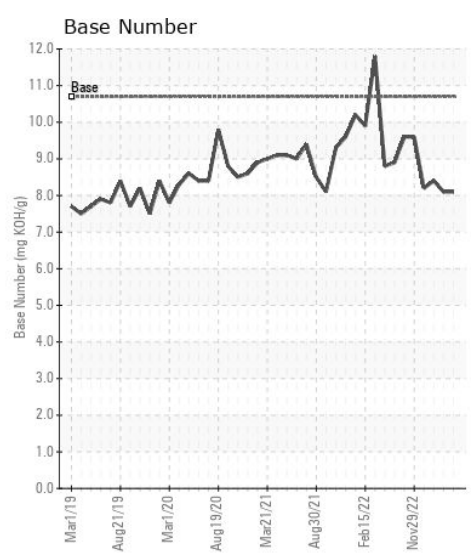
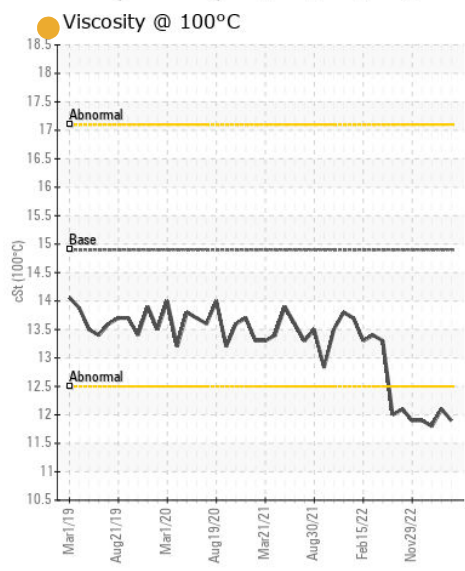
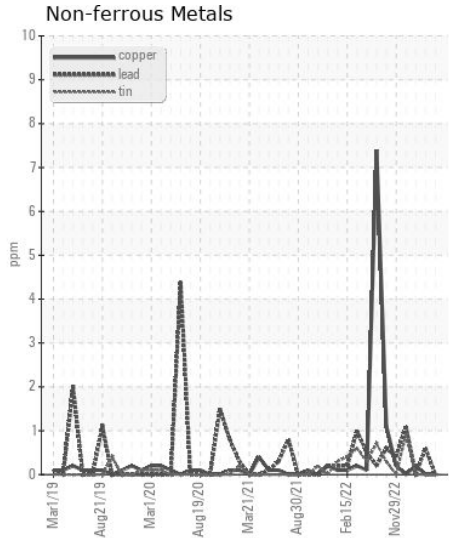
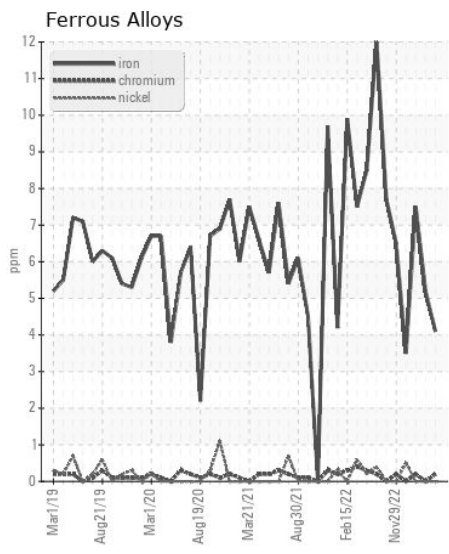
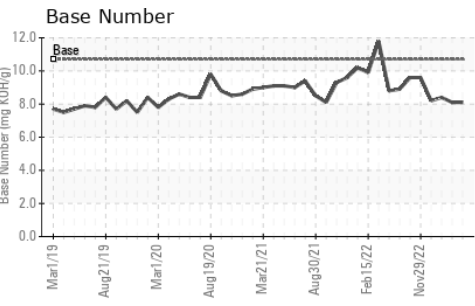
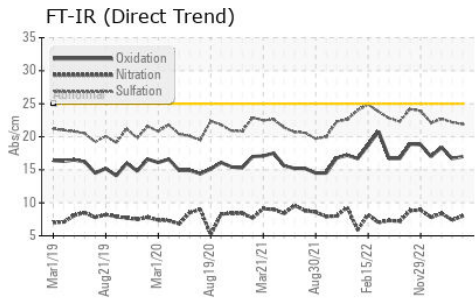
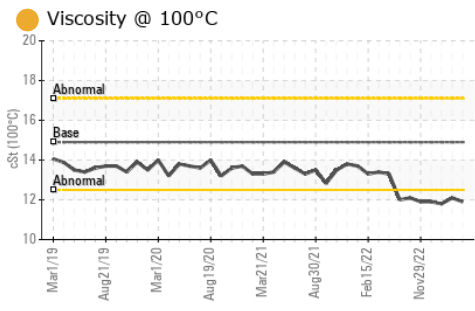
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	5	6	6
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		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	8.0	7.4	8.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.9	22.2	22.7
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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		0	<1	0
Boron	ppm	ASTM D5185m		271	356	321
Barium	ppm	ASTM D5185m		0	1	5
Molybdenum	ppm	ASTM D5185m		123	121	122
Manganese	ppm	ASTM D5185m		2	2	<1
Magnesium	ppm	ASTM D5185m		641	674	618
Calcium	ppm	ASTM D5185m		1474	1590	1371
Phosphorus	ppm	ASTM D5185m	760	633	727	649
Zinc	ppm	ASTM D5185m	830	860	934	792
Sulfur	ppm	ASTM D5185m	2770	2425	2992	2585
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.0	16.7	18.4
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	8.1	8.1	8.4
Visc @ 100°C	cSt	ASTM D445	14.9	11.9	12.1	11.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW0072242
Lab Number : 06221030
Unique Number : 11099227
Test Package : MAR 2
Received : 26 Jun 2024
Tested : 27 Jun 2024
Diagnosed : 27 Jun 2024 - Don Baldrige

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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)