



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
DICK TOMAYKO
Machine Id
[DICK TOMAYKO] 007 640890-7
Component
Port Genset
Fluid
CHEVRON DELO 400 LE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0061662	MW0055141	MW0055145
Sample Date		Client Info		22 Jun 2024	25 Sep 2023	27 Aug 2023
Machine Age	hrs	Client Info		0	8771	8459
Oil Age	hrs	Client Info		0	336	384
Filter Age	hrs	Client Info		0	336	384
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	8	5	7
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>12	2	3	2
Lead	ppm	ASTM D5185m	>17	<1	0	<1
Copper	ppm	ASTM D5185m	>70	2	<1	<1
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

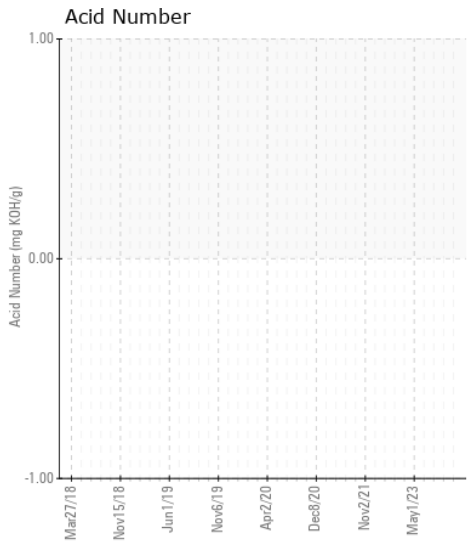
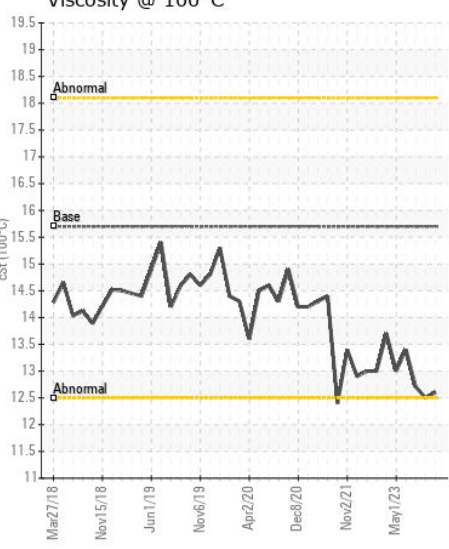
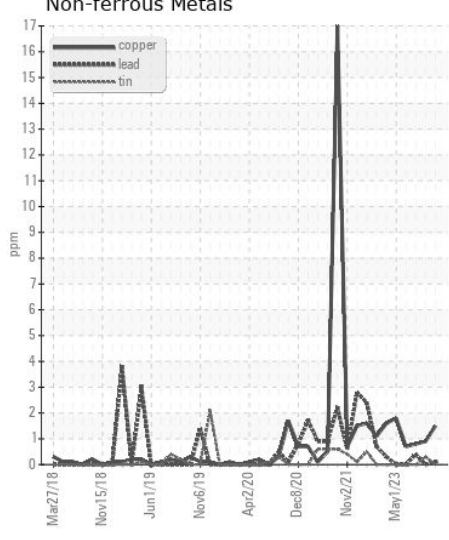
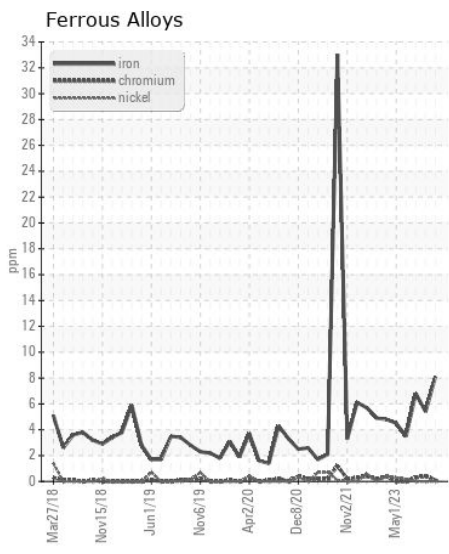
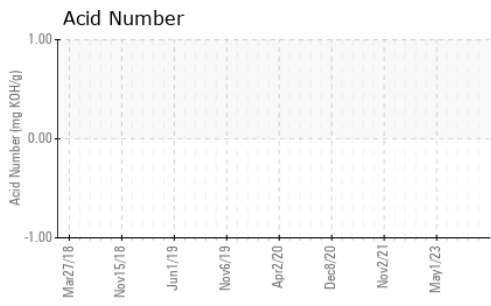
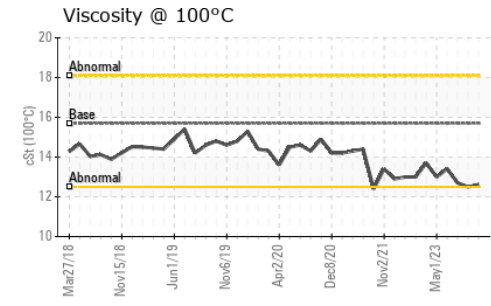
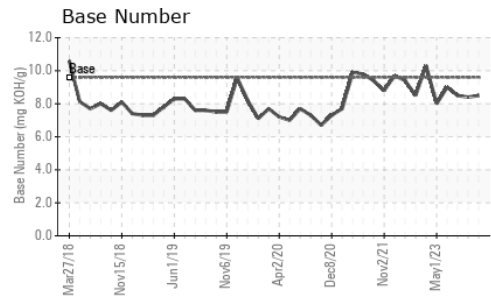
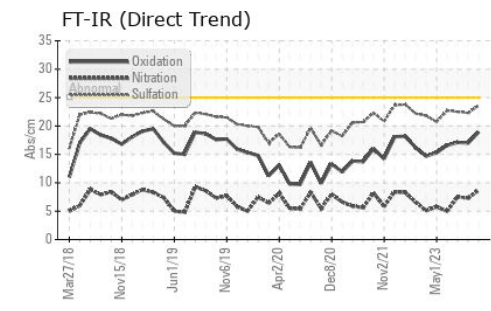
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	9	13	▲ 27
Potassium	ppm	ASTM D5185m	>20	1	4	<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	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	8.7	7.3	7.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.6	22.3	22.5
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	1
Boron	ppm	ASTM D5185m		269	305	327
Barium	ppm	ASTM D5185m		<1	12	0
Molybdenum	ppm	ASTM D5185m		126	122	124
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		684	657	711
Calcium	ppm	ASTM D5185m		1632	1446	1599
Phosphorus	ppm	ASTM D5185m	1200	717	650	695
Zinc	ppm	ASTM D5185m	1300	873	809	843
Sulfur	ppm	ASTM D5185m	3200	2855	2341	2953
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.9	17.0	17.1
Base Number (BN)	mg KOH/g	ASTM D2896	9.6	8.5	8.4	8.5
Visc @ 100°C	cSt	ASTM D445	15.7	12.6	12.5	12.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW0061662
Lab Number : 06229561
Unique Number : 11113054
Test Package : MAR 2 (Additional Tests: TAN Man)

Received : 05 Jul 2024
Tested : 09 Jul 2024
Diagnosed : 09 Jul 2024 - Don Baldrige

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)