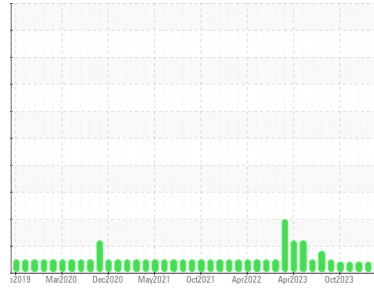




OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Area
ERNA E HONEYCUTT
 Machine Id
[ERNA E HONEYCUTT] 007 641346-7
 Component
Port Genset
 Fluid
CHEVRON DELO 400 LE 15W40 (--- GAL)

DIAGNOSIS

● Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

● 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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		MW0068310	MW0063221	MW0052560
Sample Date	Client Info		11 Feb 2024	08 Jan 2024	06 Dec 2023
Machine Age	hrs	Client Info	4507	3960	3692
Oil Age	hrs	Client Info	455	358	425
Oil Changed	Client Info		N/A	Changed	N/A
Sample Status			ATTENTION	ATTENTION	ATTENTION

CONTAMINATION

	method	limit/base	current	history1	history2
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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	3	3	8
Chromium	ppm	ASTM D5185m >4	<1	<1	<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	2
Lead	ppm	ASTM D5185m >17	0	0	0
Copper	ppm	ASTM D5185m >70	0	<1	<1
Tin	ppm	ASTM D5185m >15	0	0	<1
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	282	330	324
Barium	ppm	ASTM D5185m	0	<1	0
Molybdenum	ppm	ASTM D5185m	117	136	119
Manganese	ppm	ASTM D5185m	2	2	2
Magnesium	ppm	ASTM D5185m	647	645	618
Calcium	ppm	ASTM D5185m	1430	1517	1447
Phosphorus	ppm	ASTM D5185m 1200	659	686	729
Zinc	ppm	ASTM D5185m 1300	809	841	784
Sulfur	ppm	ASTM D5185m 3200	2327	2536	2685

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	5	5	6
Sodium	ppm	ASTM D5185m	0	0	0
Potassium	ppm	ASTM D5185m >20	0	2	2

INFRA-RED

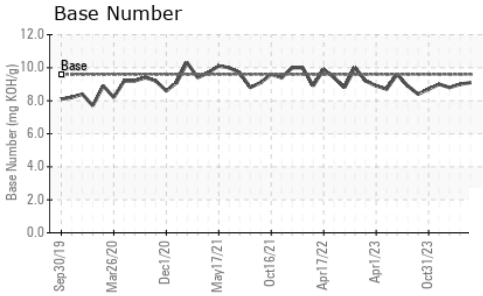
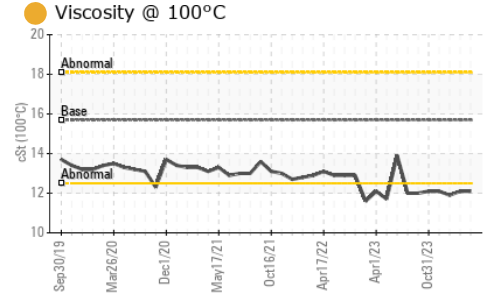
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624 >20	7.5	7.2	7.4
Sulfation	Abs/.1mm	*ASTM D7415 >30	23.0	23.0	23.0

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	17.4	17.2	17.2
Base Number (BN)	mg KOH/g	ASTM D2896 9.6	9.1	9.0	8.8



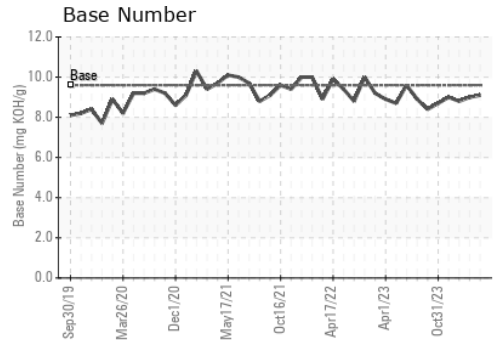
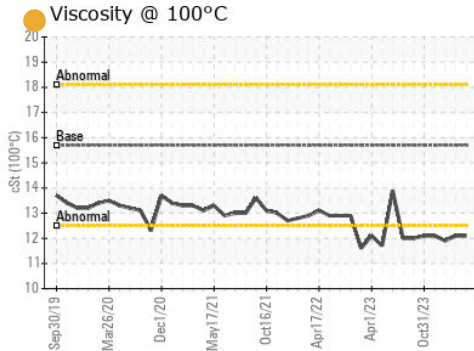
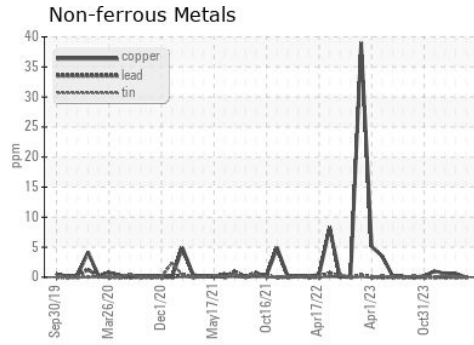
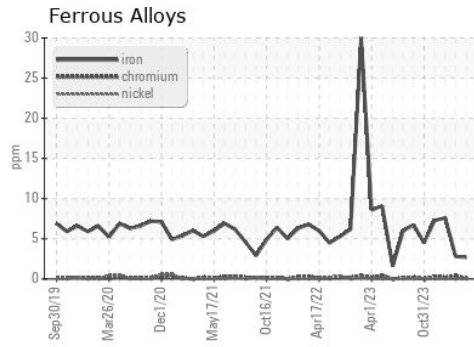
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.7	12.1	11.9

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW0068310 **Received** : 26 Feb 2024
Lab Number : 06100845 **Tested** : 27 Feb 2024
Unique Number : 10899075 **Diagnosed** : 28 Feb 2024 - Don Baldrige
Test Package : MAR 2

INGRAM BARGE
 900 S 3RD ST
 PADUCAH, KY
 US 42003

Contact: JEFF BISHOP
 jeff.bishop@ingrambarge.com

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)

T:
 F: (615)695-3697