



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
[PMIAS3216369]
 Machine Id
GENERAC 20822160200 (S/N 9967694)
 Component
Liquid Petroleum Gas
 Fluid
SAE 5W30 (--- QTS)

RECOMMENDATION

We advise that you check for the source of water entry. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0034967	DC0029900	DC0025597
Sample Date		Client Info		29 Mar 2024	10 Aug 2023	15 Feb 2023
Machine Age	hrs	Client Info		209	197	187
Oil Age	hrs	Client Info		0	5	0
Filter Age	hrs	Client Info		0	5	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Filter Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				ABNORMAL	ABNORMAL	SEVERE

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>120	2	4	7
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	1	<1
Lead	ppm	ASTM D5185m	>40	4	9	11
Copper	ppm	ASTM D5185m	>300	<1	<1	1
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

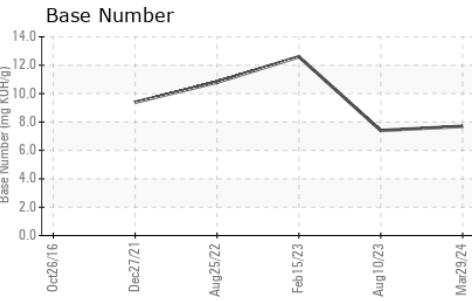
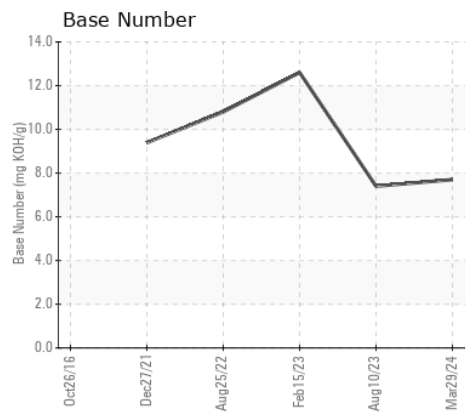
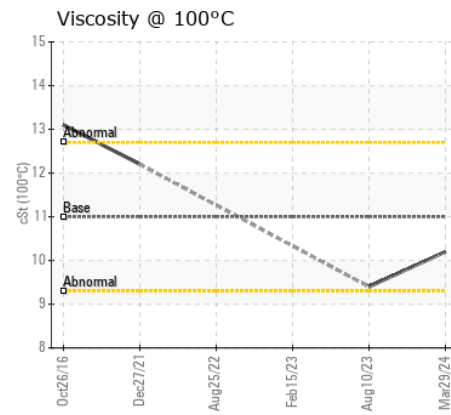
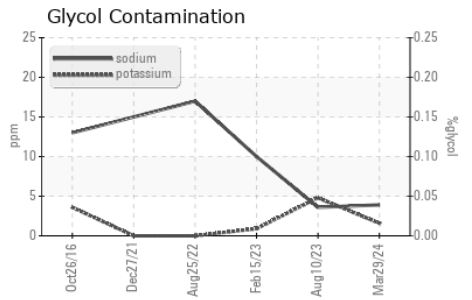
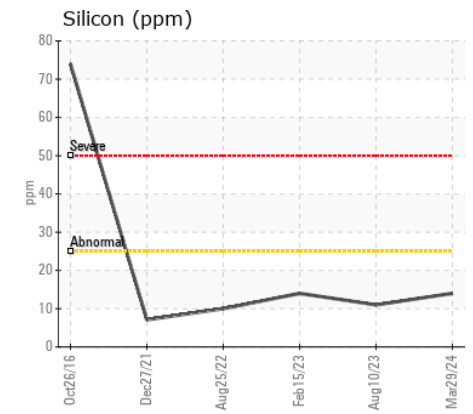
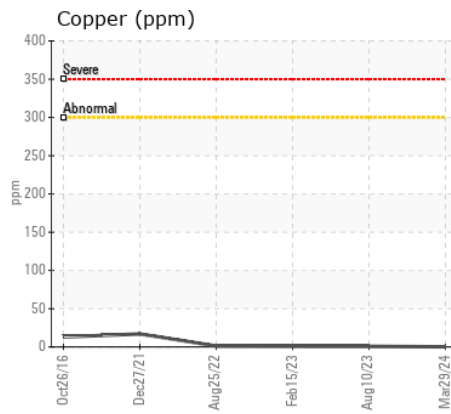
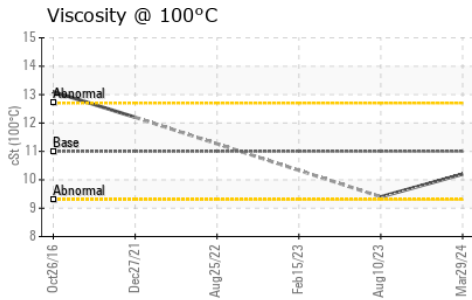
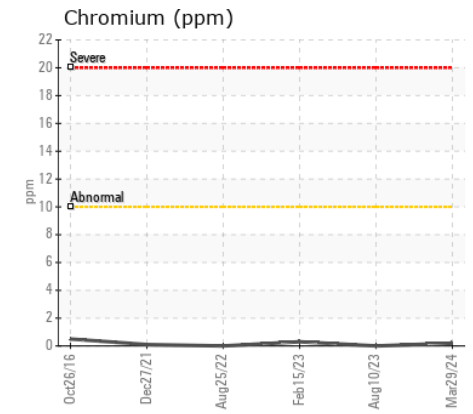
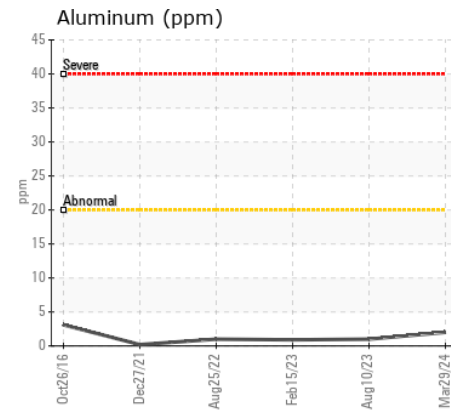
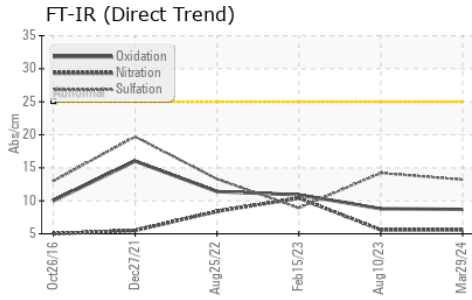
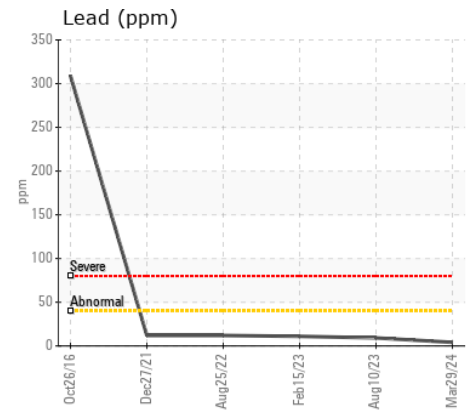
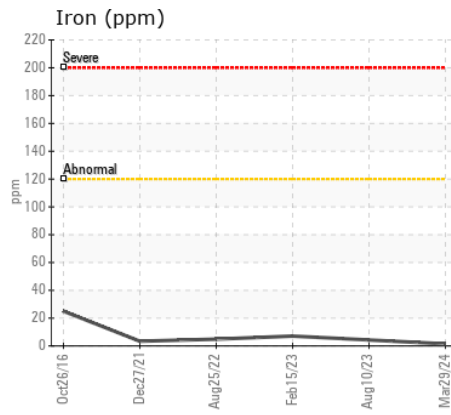
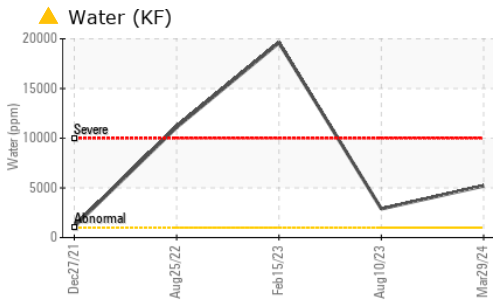
There is a moderate concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>25	14	11	14
Potassium	ppm	ASTM D5185m	>20	2	5	<1
Water	%	ASTM D6304	>0.1	▲ 0.520	▲ 0.289	▲ 1.96
ppm Water	ppm	ASTM D6304	>1000	▲ 5200	▲ 2890	▲ 19600
Soot %	%	*ASTM D7844		0.1	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	5.6	5.6	10.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	13.2	14.2	8.9
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	▲ MODER	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	● MILKY
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	0.2%	0.2%	▲ 0.2%

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil.

Sodium	ppm	ASTM D5185m		4	4	10
Boron	ppm	ASTM D5185m		169	131	135
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		61	39	42
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		537	684	674
Calcium	ppm	ASTM D5185m		1129	787	834
Phosphorus	ppm	ASTM D5185m		696	598	633
Zinc	ppm	ASTM D5185m		777	722	784
Sulfur	ppm	ASTM D5185m		2646	2812	2786
Oxidation	Abs/.1mm	*ASTM D7414	>25	8.7	8.8	10.9
Base Number (BN)	mg KOH/g	ASTM D2896		7.7	7.4	12.6
Visc @ 100°C	cSt	ASTM D445	11.0	10.2	9.4	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0034967 **Received** : 17 Apr 2024
Lab Number : 06151836 **Tested** : 22 Apr 2024
Unique Number : 10981914 **Diagnosed** : 22 Apr 2024 - Jonathan Hester
Test Package : MOB 1 (Additional Tests: Glycol, KF, TBN)

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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)