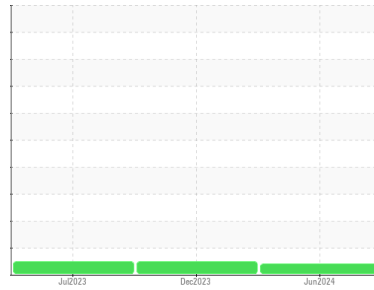


OIL ANALYSIS REPORT

Sample Rating Trend



VIS DEBRIS



Machine Id
PLANT
 Component
Primary Genset
 Fluid
{not provided} (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		RP0034241	RP0030054	RP0031514
Sample Date	Client Info		20 Jun 2024	19 Dec 2023	20 Jul 2023
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ABNORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>4.0	<1.0	<1.0	<1.0
Glycol	WC Method		NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	1	1
Chromium	ppm	ASTM D5185m	>4	0	0
Nickel	ppm	ASTM D5185m	>2	0	<1
Titanium	ppm	ASTM D5185m		0	<1
Silver	ppm	ASTM D5185m	>5	0	0
Aluminum	ppm	ASTM D5185m	>12	2	3
Lead	ppm	ASTM D5185m	>17	2	<1
Copper	ppm	ASTM D5185m	>70	2	<1
Tin	ppm	ASTM D5185m	>15	0	0
Vanadium	ppm	ASTM D5185m		0	0
Cadmium	ppm	ASTM D5185m		0	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		69	75
Barium	ppm	ASTM D5185m		0	6
Molybdenum	ppm	ASTM D5185m		79	75
Manganese	ppm	ASTM D5185m		0	0
Magnesium	ppm	ASTM D5185m		55	47
Calcium	ppm	ASTM D5185m		2334	1985
Phosphorus	ppm	ASTM D5185m		1052	1021
Zinc	ppm	ASTM D5185m		1125	1106

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	6
Sodium	ppm	ASTM D5185m		1	3
Potassium	ppm	ASTM D5185m	>20	<1	1
Water	%	ASTM D6304	>0.1	NEG	NEG

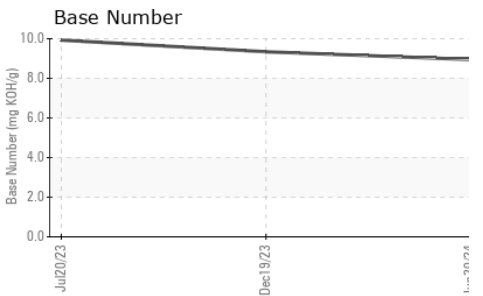
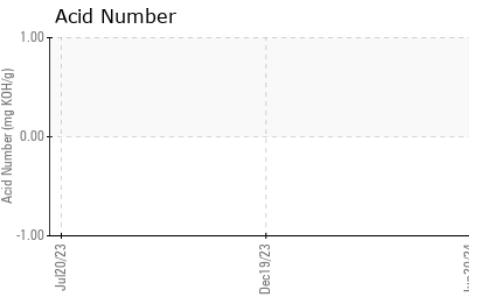
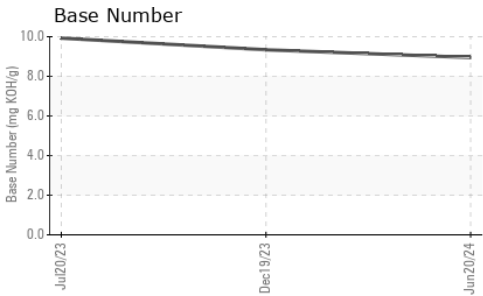
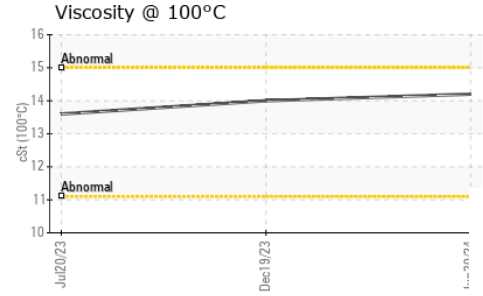
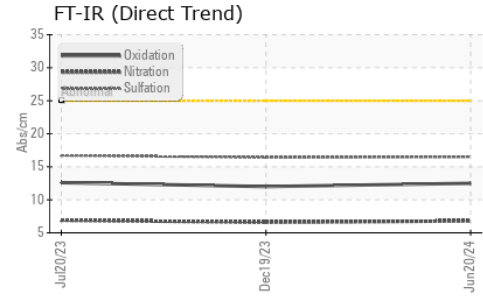
INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	6.8	6.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.5	16.4

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.5	12.0
Base Number (BN)	mg KOH/g	ASTM D2896		8.95	9.34

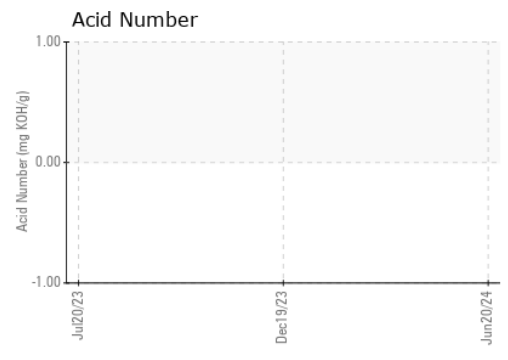
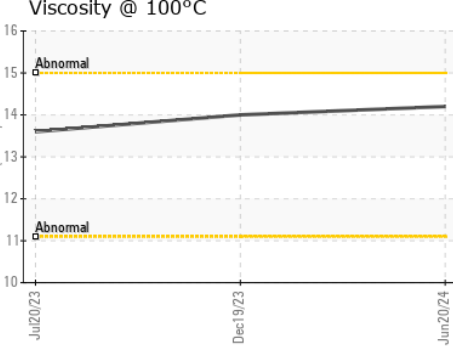
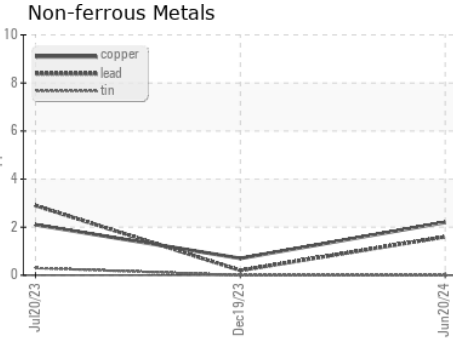
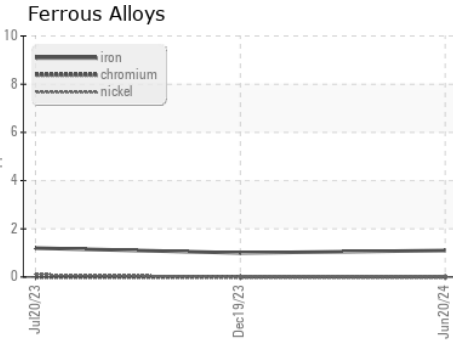
OIL ANALYSIS REPORT



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	▲ MODER	NONE	LIGHT
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	14.2	14.0	13.6

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0034241 **Received** : 20 Jun 2024
Lab Number : 06215944 **Tested** : 23 Jun 2024
Unique Number : 11088808 **Diagnosed** : 23 Jun 2024 - Don Baldrige
Test Package : IND 2 (Additional Tests: FT-IR, KV100, TBN)

VEOLIA NEWPORT
 250 CONNELL HWY
 NEWPORT, RI
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Contact: ANTHONY CALENDA
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 F:

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)