



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
[SR3310418]
 Machine Id
GENERAC SG400 3007320587
 Component
Diesel Engine
 Fluid
{not provided} (--- GAL)

RECOMMENDATION

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

WEAR

All component wear rates are normal.

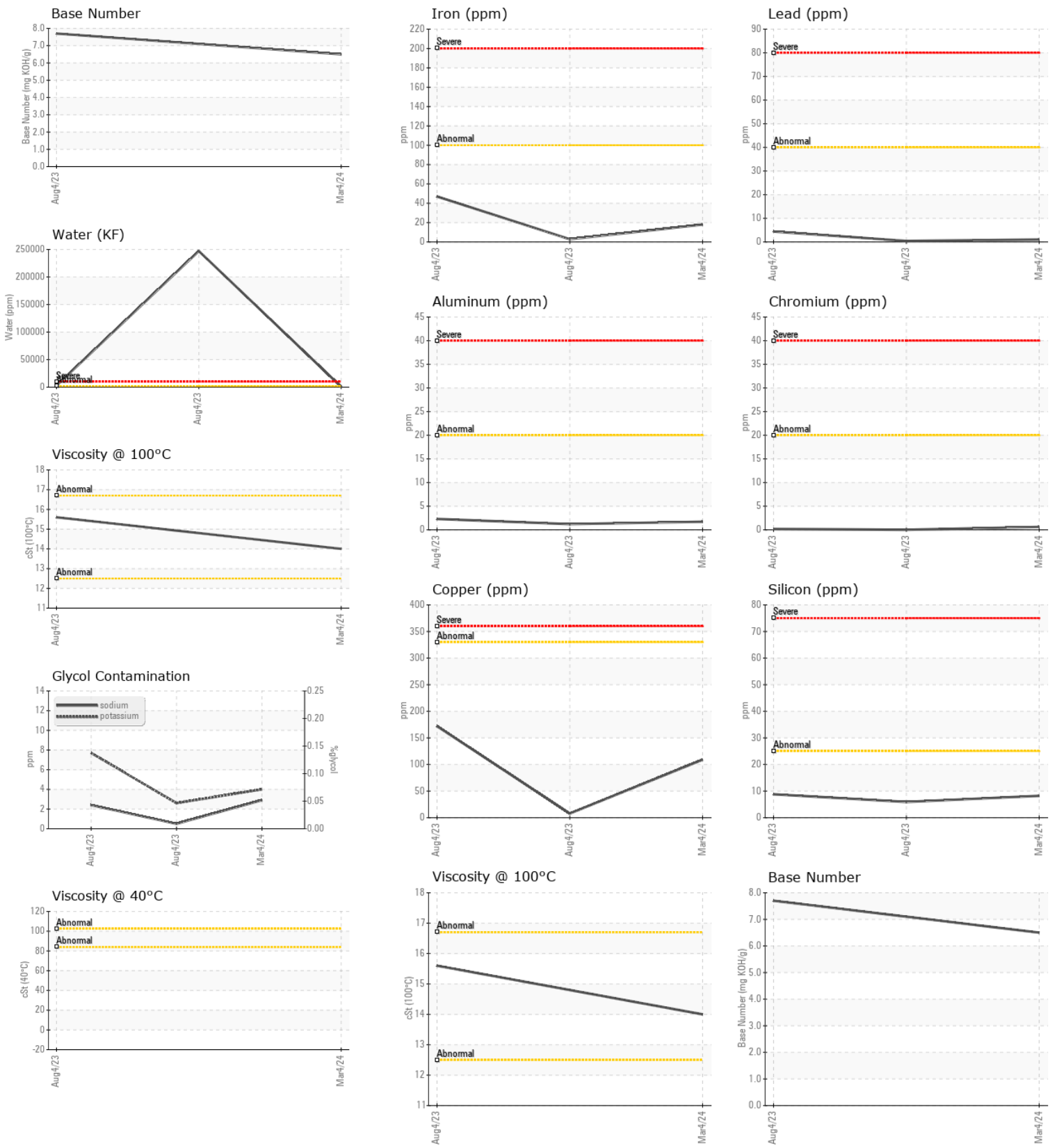
CONTAMINATION

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0030857	DC0028640	DC0028643
Sample Date		Client Info		04 Mar 2024	04 Aug 2023	04 Aug 2023
Machine Age	hrs	Client Info		52	27	27
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Changed
Filter Changed		Client Info		Not Changd	Changed	Changed
Sample Status				ABNORMAL	SEVERE	ABNORMAL
Iron	ppm	ASTM D5185m	>100	18	47	3
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>4	1	2	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	2	1
Lead	ppm	ASTM D5185m	>40	1	4	<1
Copper	ppm	ASTM D5185m	>330	109	▲ 172	8
Tin	ppm	ASTM D5185m	>15	<1	4	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	8	9	6
Potassium	ppm	ASTM D5185m	>20	4	8	3
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water	%	ASTM D6304	>0.2	0.074	▲ 24.7	▲ 0.305
ppm Water	ppm	ASTM D6304	>2000	740	▲ 247000	▲ 3050
Glycol	%	*ASTM D2982		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0	1	0
Nitration	Abs/cm	*ASTM D7624	>20	5.4	76.6	5.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.0	0.0	14.7
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	NONE	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	● MILKY	● HAZY
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	0.2%	▲ 0.2%	NEG
Sodium	ppm	ASTM D5185m		3	2	<1
Boron	ppm	ASTM D5185m		9	24	12
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		3	2	4
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		48	31	65
Calcium	ppm	ASTM D5185m		1984	1547	2025
Phosphorus	ppm	ASTM D5185m		894	1635	883
Zinc	ppm	ASTM D5185m		1070	838	1084
Sulfur	ppm	ASTM D5185m		3989	3605	4386
Oxidation	Abs/.1mm	*ASTM D7414	>25	9.2	65.2	9.3
Base Number (BN)	mg KOH/g	ASTM D2896		6.5	---	7.7
Visc @ 100°C	cSt	ASTM D445		14.0	---	15.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0030857
Lab Number : 06122171
Unique Number : 10936322
Test Package : MOB 1 (Additional Tests: Glycol, KF, KV40, 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)