OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
GENERATOR 4
Component
Genset
Fluid
SAE 40W (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

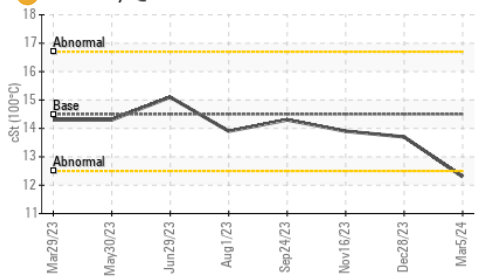
Fuel content negligible. There is no indication of any contamination in the oil.

FLUID CONDITION

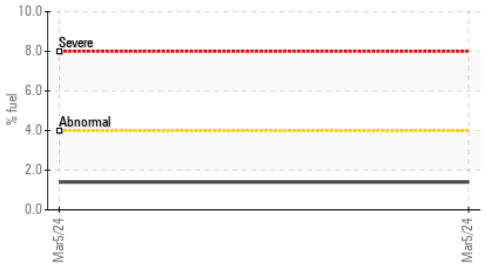
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0746091	WC0746162	WC0746156
Sample Date		Client Info		05 Mar 2024	28 Dec 2023	16 Nov 2023
Machine Age	hrs	Client Info		12563	12176	11682
Oil Age	hrs	Client Info		500	500	500
Filter Age	hrs	Client Info		500	500	500
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>50	10	25	22
Chromium	ppm	ASTM D5185m	>4	<1	1	<1
Nickel	ppm	ASTM D5185m	>2	<1	<1	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>12	4	2	2
Lead	ppm	ASTM D5185m	>17	8	2	1
Copper	ppm	ASTM D5185m	>70	<1	<1	2
Tin	ppm	ASTM D5185m	>15	<1	3	2
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	6	5	7
Potassium	ppm	ASTM D5185m	>20	<1	<1	<1
Fuel	%	ASTM D3524	>4.0	1.4	<1.0	<1.0
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844		0.1	0.6	1
Nitration	Abs/cm	*ASTM D7624	>20	8.3	6.3	6.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.5	20.3	21.1
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
Sodium	ppm	ASTM D5185m		2	6	<1
Boron	ppm	ASTM D5185m		337	147	227
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		139	65	88
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		705	1122	924
Calcium	ppm	ASTM D5185m		1649	803	1132
Phosphorus	ppm	ASTM D5185m		786	955	761
Zinc	ppm	ASTM D5185m		913	1173	994
Sulfur	ppm	ASTM D5185m		2797	2985	2540
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.7	13.6	13.0
Base Number (BN)	mg KOH/g	ASTM D2896		8.6	8.0	8.7
Visc @ 100°C	cSt	ASTM D445	14.5	12.3	13.7	13.9

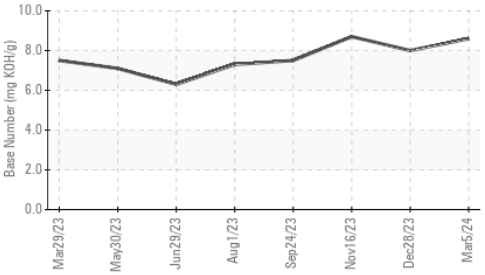
Viscosity @ 100°C



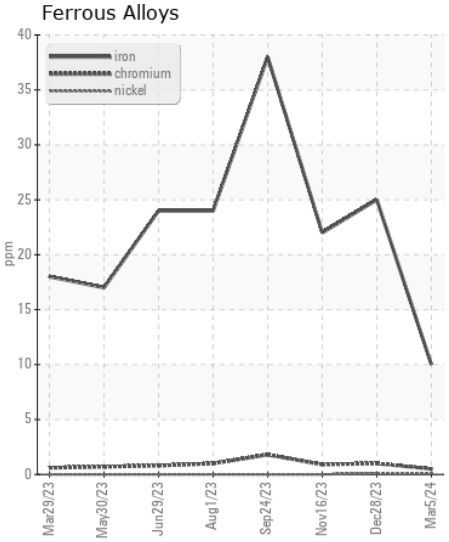
Fuel Dilution



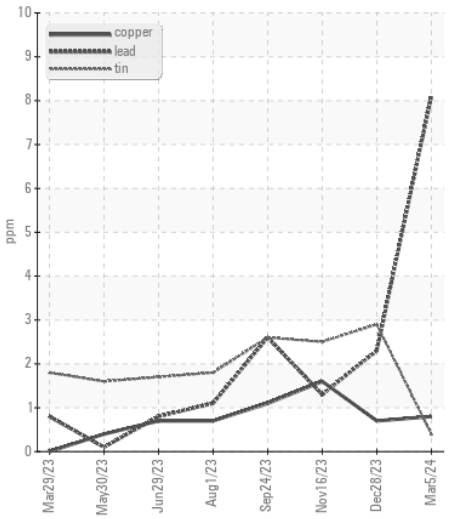
Base Number



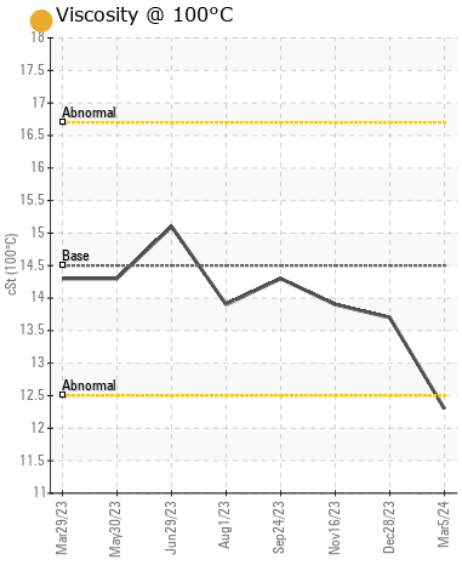
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



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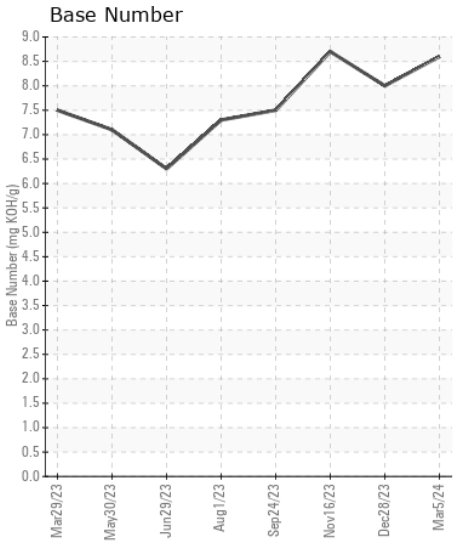

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0746091
Lab Number : 06121496
Unique Number : 10930329
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

Received : 18 Mar 2024
Tested : 22 Mar 2024
Diagnosed : 22 Mar 2024 - Don Baldridge

ASSOCIATED GRAIN TERMINALS
13723 HWY 15
BRAITHWAITE, LA
US 70040
Contact: Service Manager

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)

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