FLEET LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(43480UA)
Machine Id
834028
Component
Natural Gas Engine
Fluid
{not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

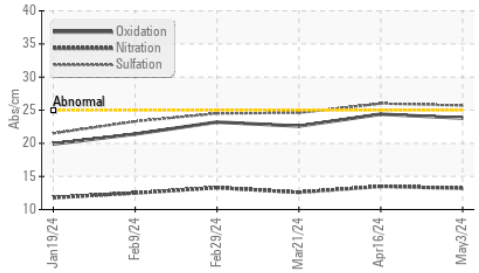
There is no indication of any contamination in the oil.

FLUID CONDITION

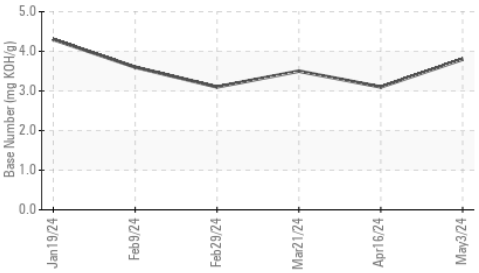
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0111907	GFL0116571	GFL0111815
Sample Date		Client Info		03 May 2024	16 Apr 2024	21 Mar 2024
Machine Age	hrs	Client Info		1149	1012	841
Oil Age	hrs	Client Info		978	171	841
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185m	>50	49	▲ 54	43
Chromium	ppm	ASTM D5185m	>4	1	2	<1
Nickel	ppm	ASTM D5185m	>2	2	3	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	<1	<1	<1
Aluminum	ppm	ASTM D5185m	>9	4	4	3
Lead	ppm	ASTM D5185m	>30	3	4	1
Copper	ppm	ASTM D5185m	>35	18	20	15
Tin	ppm	ASTM D5185m	>4	3	3	2
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>+100	26	31	27
Potassium	ppm	ASTM D5185m	>20	4	4	22
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	13.2	13.5	12.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.7	26.0	24.6
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		5	5	6
Boron	ppm	ASTM D5185m		6	3	7
Barium	ppm	ASTM D5185m		3	4	2
Molybdenum	ppm	ASTM D5185m		60	58	53
Manganese	ppm	ASTM D5185m		13	15	12
Magnesium	ppm	ASTM D5185m		789	789	786
Calcium	ppm	ASTM D5185m		1410	1334	1259
Phosphorus	ppm	ASTM D5185m		807	802	667
Zinc	ppm	ASTM D5185m		998	957	907
Sulfur	ppm	ASTM D5185m		2526	2650	2492
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.8	24.4	22.6
Base Number (BN)	mg KOH/g	ASTM D2896		3.8	3.1	3.5
Visc @ 100°C	cSt	ASTM D445		14.5	14.3	14.4

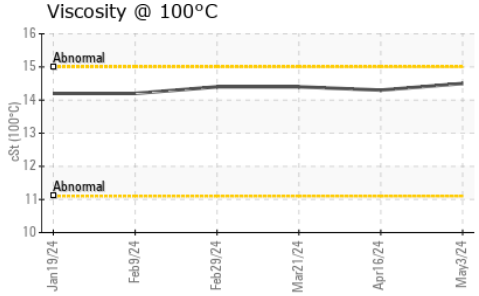
FT-IR (Direct Trend)



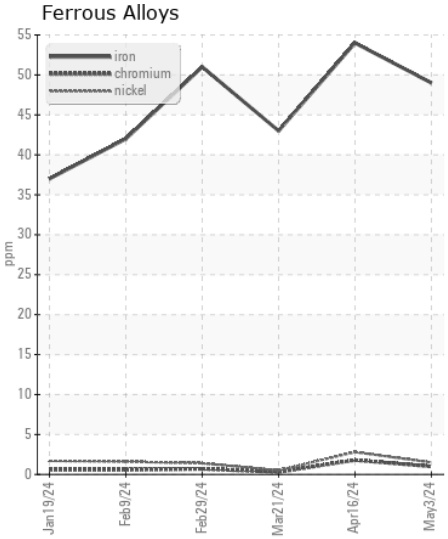
Base Number



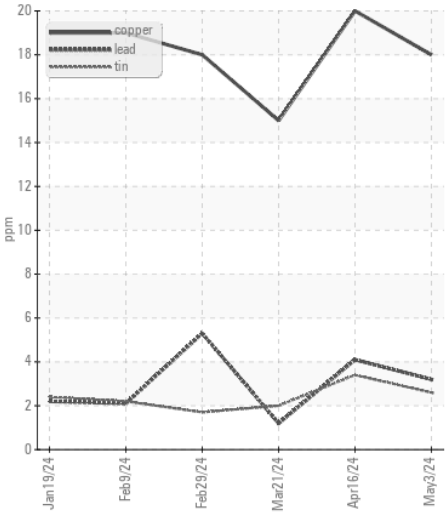
Viscosity @ 100°C



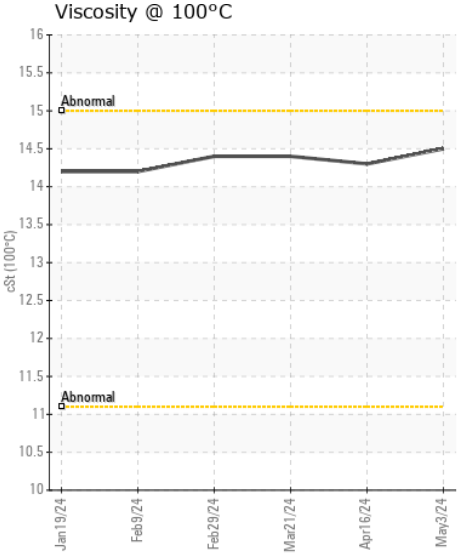
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



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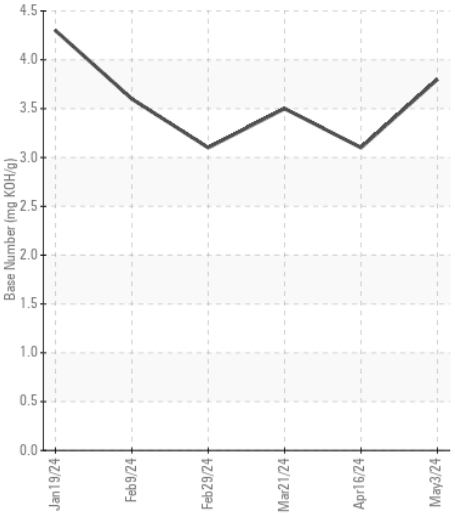

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0111907
Lab Number : 06174937
Unique Number : 11020990
Test Package : FLEET

Received : 09 May 2024
Tested : 10 May 2024
Diagnosed : 10 May 2024 - Wes Davis

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)

GFL Environmental - 652 - Fredericksburg Hauling
10954 Houser Drive
Fredericksburg, VA
US 22408
Contact: WILLIAM MILO
wmilo@gflenv.com
T:
F: