



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
422042-24
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0088462	GFL0088472	GFL0074892
Sample Date		Client Info		12 Jan 2024	13 Sep 2023	16 Mar 2023
Machine Age	hrs	Client Info		24154	23634	22802
Oil Age	hrs	Client Info		600	600	150
Filter Age	hrs	Client Info		600	600	150
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	8	4	3
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	<1	2
Aluminum	ppm	ASTM D5185m	>20	3	2	1
Lead	ppm	ASTM D5185m	>40	0	1	0
Copper	ppm	ASTM D5185m	>330	<1	<1	<1
Tin	ppm	ASTM D5185m	>15	0	1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

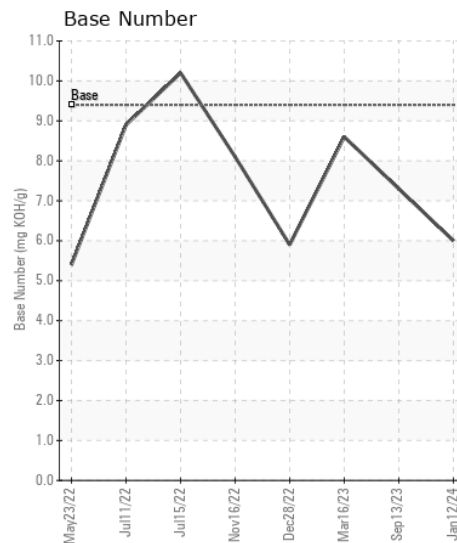
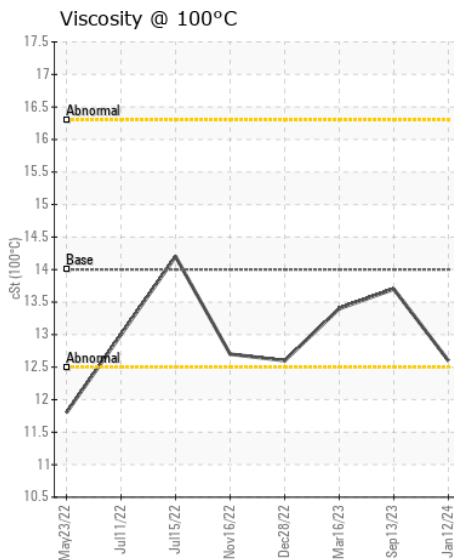
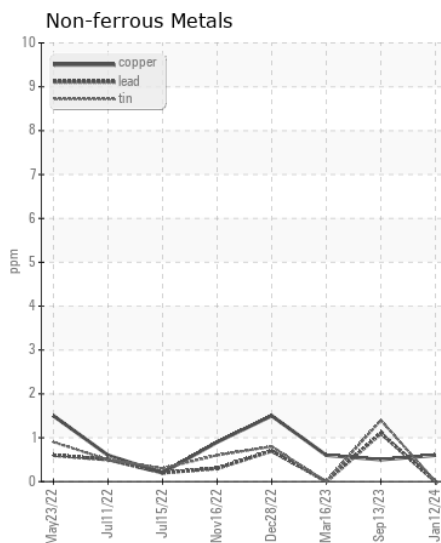
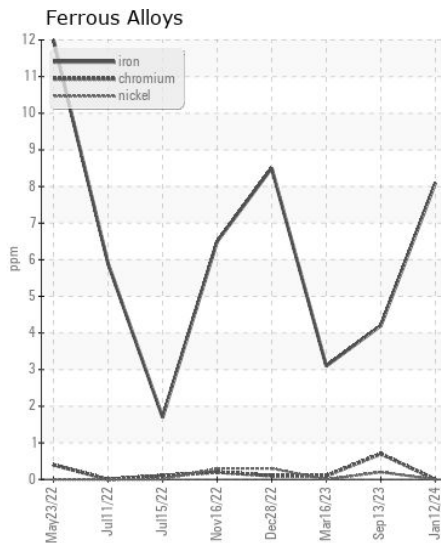
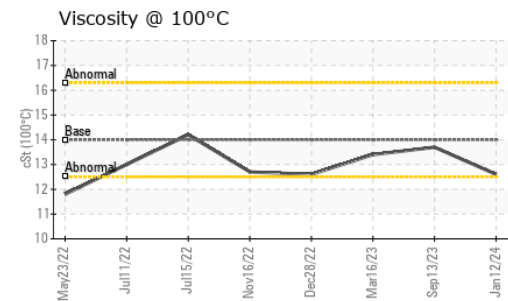
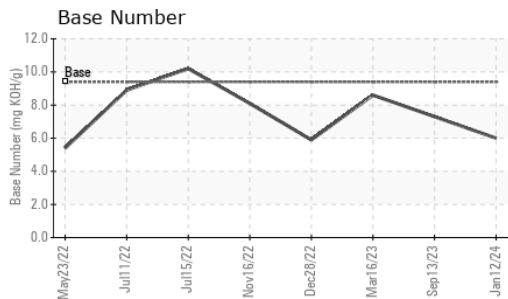
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	6	6	5
Potassium	ppm	ASTM D5185m	>20	1	4	2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.3	0.2	0.1
Nitration	Abs/cm	*ASTM D7624	>20	8.8	7.0	5.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.3	18.9	19.5
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	>0.2	NEG	NEG	NEG

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.

Sodium	ppm	ASTM D5185m		17	3	4
Boron	ppm	ASTM D5185m	0	214	327	226
Barium	ppm	ASTM D5185m	0	0	44	0
Molybdenum	ppm	ASTM D5185m	0	84	74	69
Manganese	ppm	ASTM D5185m		0	1	1
Magnesium	ppm	ASTM D5185m	0	355	363	626
Calcium	ppm	ASTM D5185m		1322	1242	1263
Phosphorus	ppm	ASTM D5185m		1065	927	972
Zinc	ppm	ASTM D5185m		1225	1162	1188
Sulfur	ppm	ASTM D5185m		3122	3456	3399
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.6	12.8	14.0
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	6.0	7.3	8.6
Visc @ 100°C	cSt	ASTM D445	14	12.6	13.7	13.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0088462 **Received** : 16 Jan 2024
Lab Number : 06060724 **Diagnosed** : 17 Jan 2024
Unique Number : 10832106 **Diagnostician** : Jonathan Hester
Test Package : FLEET

GFL Environmental - 146 - Augusta
 1064 Franke Industrial
 Augusta, GA
 US 30909
 Contact: JEFFERY WASHINGTON
 jeff.washington@gflenv.com

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)

T:
F: