



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
912083
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER15W40 (10 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0088461	GFL0073224	GFL0088474
Sample Date		Client Info		06 Feb 2024	16 Nov 2023	30 Aug 2023
Machine Age	hrs	Client Info		5384	4842	4293
Oil Age	hrs	Client Info		600	650	650
Filter Age	hrs	Client Info		600	650	650
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>120	5	<1	14
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>5	1	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	2	2	3
Lead	ppm	ASTM D5185m	>40	<1	<1	0
Copper	ppm	ASTM D5185m	>330	1	<1	4
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

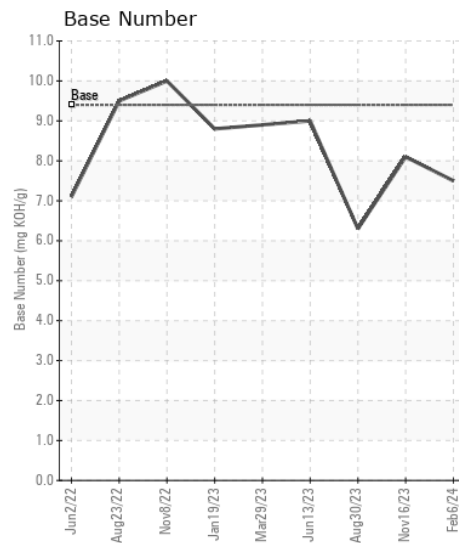
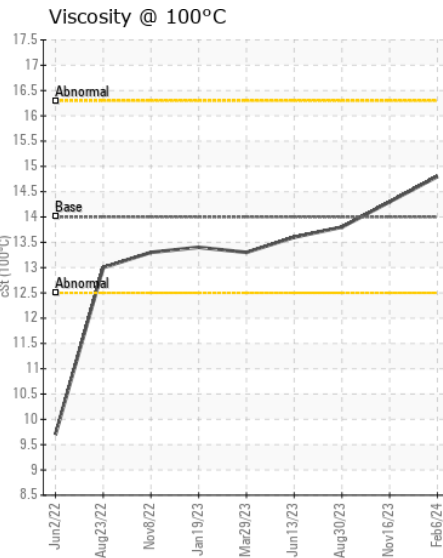
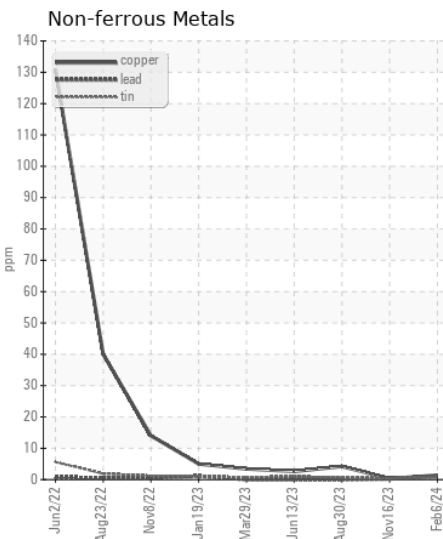
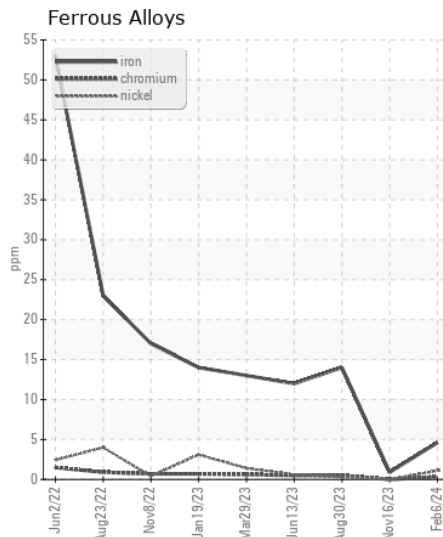
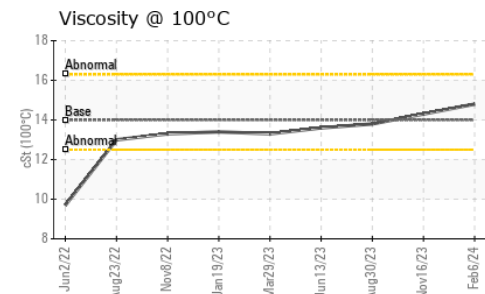
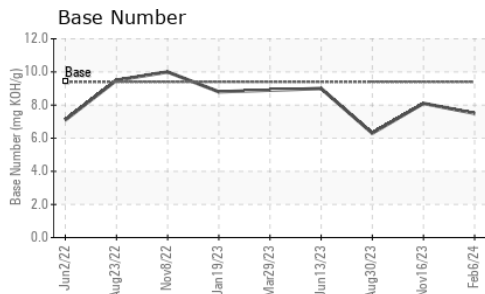
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	4	5	9
Potassium	ppm	ASTM D5185m	>20	8	1	0
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>4	0.3	0.1	0.7
Nitration	Abs/cm	*ASTM D7624	>20	6.5	4.8	8.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8	20.3	22.8
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 acceptable for the time in service.

Sodium	ppm	ASTM D5185m		0	<1	3
Boron	ppm	ASTM D5185m	0	162	471	247
Barium	ppm	ASTM D5185m	0	13	0	0
Molybdenum	ppm	ASTM D5185m	0	4	79	88
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	21	383	453
Calcium	ppm	ASTM D5185m		1855	1381	1627
Phosphorus	ppm	ASTM D5185m		881	1082	1050
Zinc	ppm	ASTM D5185m		1058	1300	1333
Sulfur	ppm	ASTM D5185m		3308	3393	3568
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.4	13.9	16.8
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	7.5	8.1	6.3
Visc @ 100°C	cSt	ASTM D445	14	14.8	14.3	13.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : GFL0088461

Lab Number : 06085664

Unique Number : 10873109

Test Package : FLEET

Received : 12 Feb 2024

Tested : 12 Feb 2024

Diagnosed : 13 Feb 2024 - Angela Borella

GFL Environmental - 146 - Augusta

1064 Franke Industrial

Augusta, GA

US 30909

Contact: JEFFERY WASHINGTON

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T:

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)