



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
424033-402093
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		GFL0088460	GFL0088457	GFL0073219
Sample Date		Client Info		06 Feb 2024	30 Nov 2023	09 Aug 2023
Machine Age	hrs	Client Info		32548	32237	31689
Oil Age	hrs	Client Info		600	600	650
Filter Age	hrs	Client Info		600	600	650
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>120	6	52	22
Chromium	ppm	ASTM D5185m	>20	<1	3	1
Nickel	ppm	ASTM D5185m	>5	1	1	0
Titanium	ppm	ASTM D5185m	>2	<1	<1	0
Silver	ppm	ASTM D5185m	>2	<1	<1	0
Aluminum	ppm	ASTM D5185m	>20	2	▲ 60	<1
Lead	ppm	ASTM D5185m	>40	<1	<1	0
Copper	ppm	ASTM D5185m	>330	2	▲ 222	0
Tin	ppm	ASTM D5185m	>15	<1	5	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

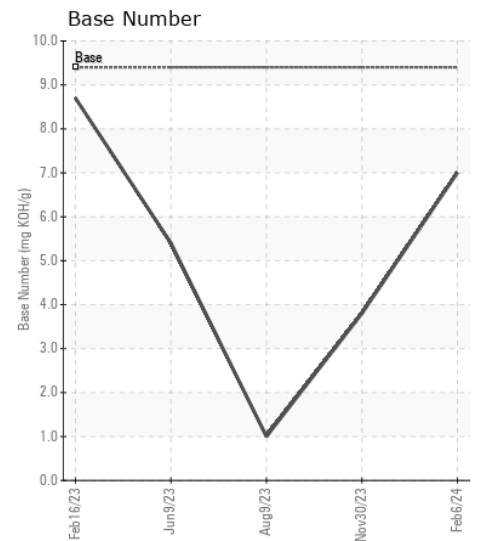
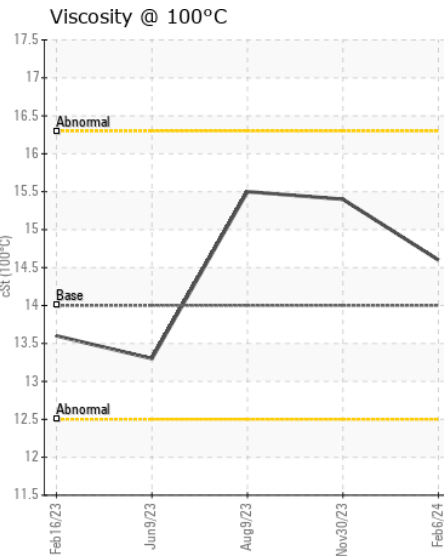
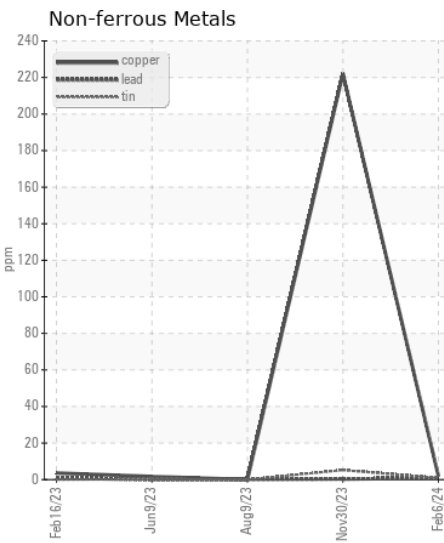
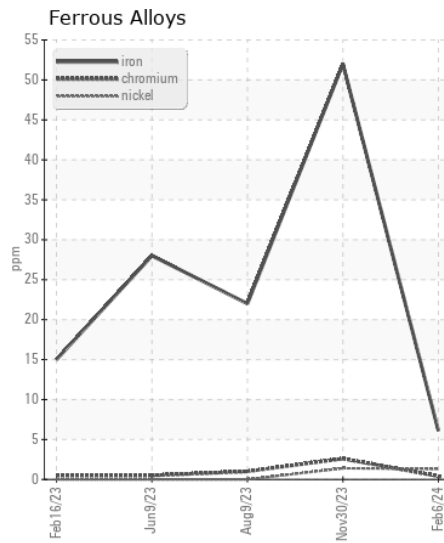
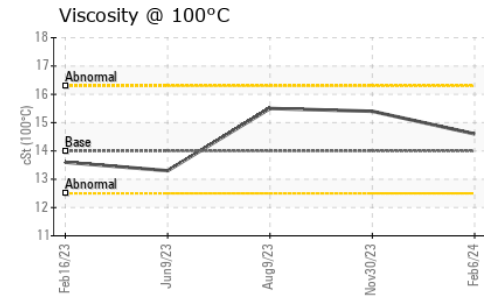
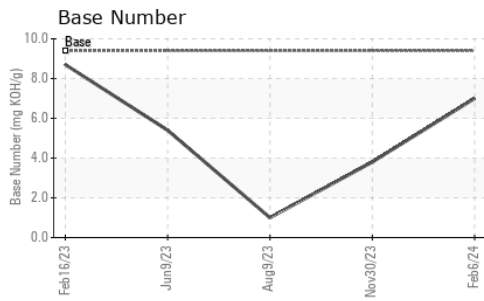
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	4	8	3
Potassium	ppm	ASTM D5185m	>20	8	▲ 159	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	0.4	▲ 4.2	3.7
Nitration	Abs/cm	*ASTM D7624	>20	7.3	11.7	10.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.3	30.3	28.5
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		0	2	0
Boron	ppm	ASTM D5185m	0	140	36	271
Barium	ppm	ASTM D5185m	0	13	0	0
Molybdenum	ppm	ASTM D5185m	0	6	46	78
Manganese	ppm	ASTM D5185m		<1	4	0
Magnesium	ppm	ASTM D5185m	0	34	576	423
Calcium	ppm	ASTM D5185m		1849	1687	1491
Phosphorus	ppm	ASTM D5185m		893	775	1041
Zinc	ppm	ASTM D5185m		1057	962	1362
Sulfur	ppm	ASTM D5185m		3361	2589	4160
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.7	19.2	17.2
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	7.0	▲ 3.8	▲ 1.0
Visc @ 100°C	cSt	ASTM D445	14	14.6	15.4	15.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0088460
Lab Number : 06085663
Unique Number : 10873108
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
 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)

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