



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**(62A0X0D) TALLASSEE**  
Machine Id  
**425027-345507**  
Component  
**Diesel Engine**  
Fluid  
**MOBIL DELVAC 1300 SUPER 15W40 (--- LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0081928</b>	GFL0080687	GFL0088605
Sample Date		Client Info		<b>20 Jun 2024</b>	28 May 2024	20 May 2024
Machine Age	hrs	Client Info		<b>18301</b>	18203	13106
Oil Age	hrs	Client Info		<b>1732</b>	1634	13106
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>120	<b>16</b>	39	38
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>12</b>	▲ 24	▲ 24
Lead	ppm	ASTM D5185m	>40	<b>1</b>	<1	1
Copper	ppm	ASTM D5185m	>330	<b>3</b>	6	7
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

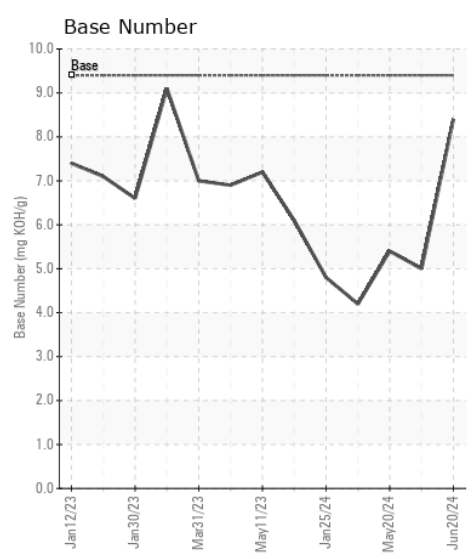
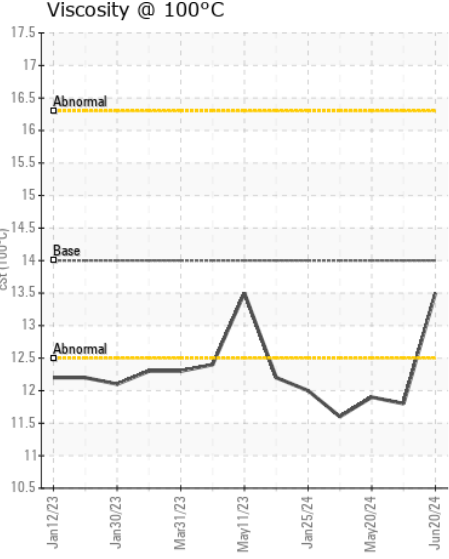
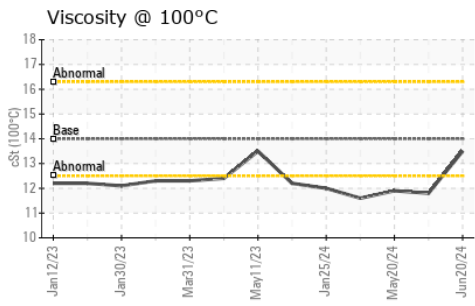
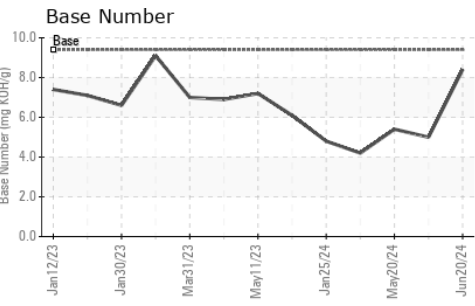
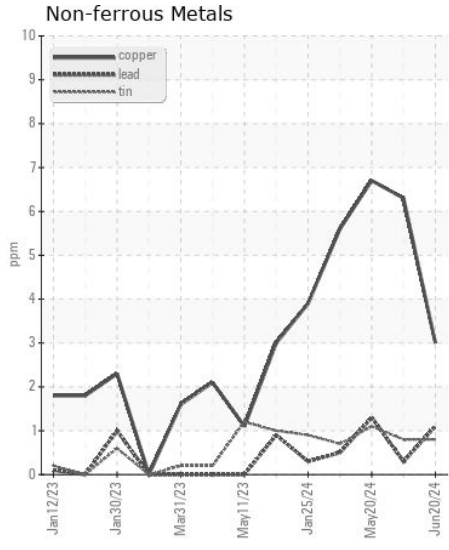
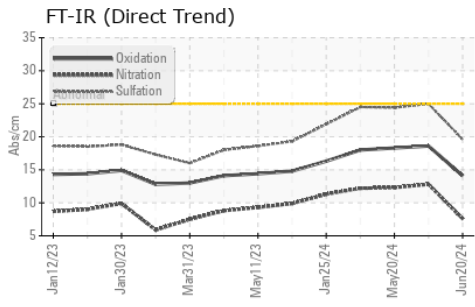
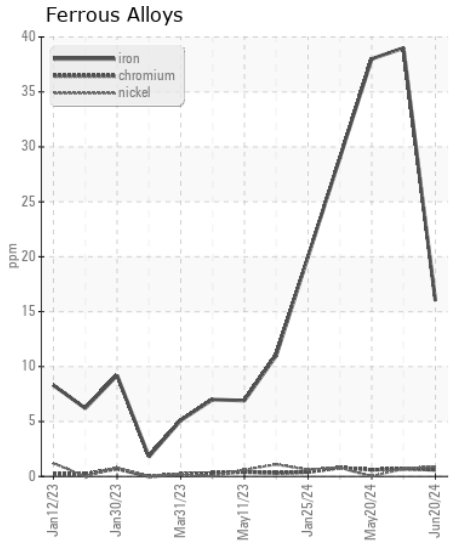
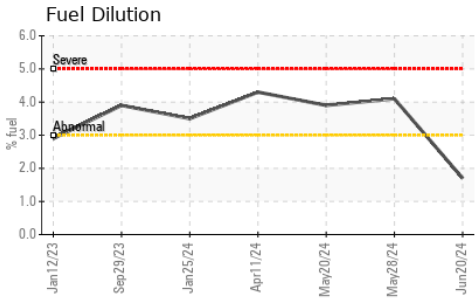
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>9</b>	13	13
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	11	1
Fuel	%	ASTM D3524	>3.0	<b>1.7</b>	▲ 4.1	▲ 3.9
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>4	<b>0.6</b>	1.5	1.4
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.6</b>	12.8	12.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.6</b>	25.0	24.4
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	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		<b>2</b>	10	7
Boron	ppm	ASTM D5185m	0	<b>3</b>	3	4
Barium	ppm	ASTM D5185m	0	<b>1</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>59</b>	65	68
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	1
Magnesium	ppm	ASTM D5185m	0	<b>898</b>	797	834
Calcium	ppm	ASTM D5185m		<b>1071</b>	1109	1104
Phosphorus	ppm	ASTM D5185m		<b>1139</b>	861	897
Zinc	ppm	ASTM D5185m		<b>1235</b>	1117	1111
Sulfur	ppm	ASTM D5185m		<b>3143</b>	2951	2969
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>14.1</b>	18.6	18.3
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>8.4</b>	5.0	5.4
Visc @ 100°C	cSt	ASTM D445	14	<b>13.5</b>	▲ 11.8	▲ 11.9



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0081928 **Received** : 25 Jun 2024  
**Lab Number** : 06219287 **Tested** : 27 Jun 2024  
**Unique Number** : 11097484 **Diagnosed** : 27 Jun 2024 - Don Baldrige  
**Test Package** : FLEET ( Additional Tests: PercentFuel )

GFL Environmental - 172 - Montgomery-Alexander City-Tallahassee  
 Multiple Sites  
 Montgomery, AL  
 US 36108  
 Contact: RICHARD HATFIELD  
 rhatfield@gflenv.com

Certificate L2367  
 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)