WEAR CONTAMINATION FLUID CONDITION

ABNORMAL ABNORMAL

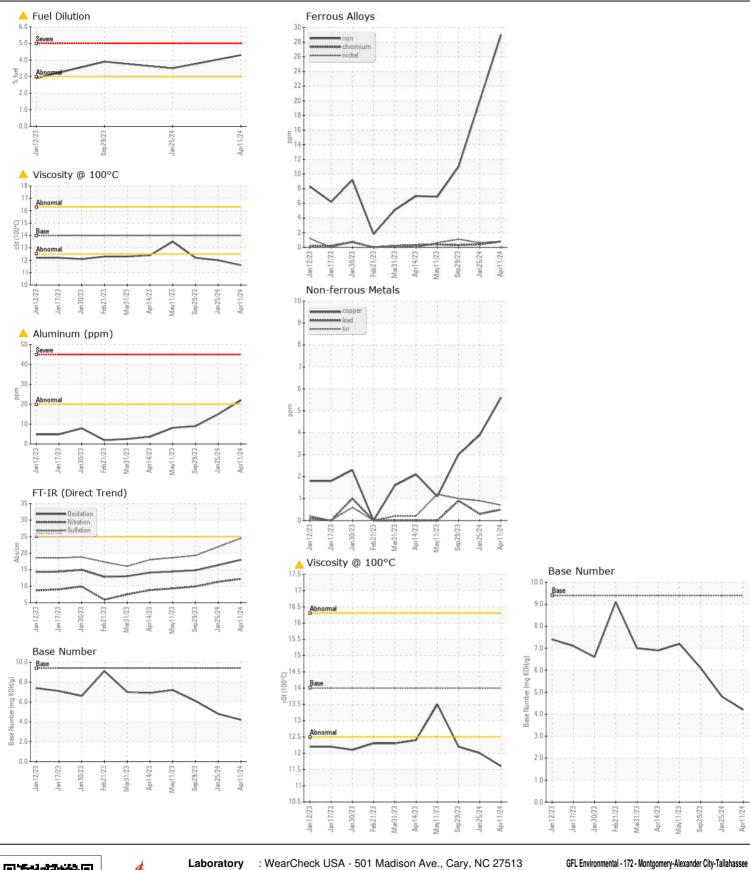


(62A0X0D) TALLASSEE

425027-345507

Diesel Engine

MOBIL DELY	AC 1300 SUPER15	5W40 (LT	R)					
RECOMMENDATION		Test	UOM	Method	Limit/Abn	Current	History1	History2
		Sample Number		Client Info		GFL0080699	GFL0081857	GFL0078464
We recommend that you drain the oil from the	n the component if this has an early resample to monitor	Sample Date		Client Info		11 Apr 2024	25 Jan 2024	29 Sep 2023
this condition.		Machine Age	hrs	Client Info		17874	17584	17245
this condition.		Oil Age	hrs	Client Info		1305	1015	676
		Filter Age	hrs	Client Info		0	0	0
		Oil Changed		Client Info		N/A	N/A	N/A
		Filter Changed		Client Info		N/A	N/A	N/A
		Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR		Iron	ppm	ASTM D5185m	>120	29	20	11
Alumaiauma mama laurala ana alamanana Diatan i	Piston wear is indicated.	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Aluminum ppm levels are abnormal. Piston v		Nickel	ppm	ASTM D5185m	>5	<1	<1	1
		Titanium	ppm	ASTM D5185m	>2	<1	0	0
		Silver	ppm	ASTM D5185m		0	0	0
		Aluminum	ppm	ASTM D5185m		<u> </u>	15	9
		Lead	ppm	ASTM D5185m		<1	<1	<1
		Copper	ppm	ASTM D5185m		6	4	3
		Tin	ppm	ASTM D5185m	>15	<1	<1	1
		Vanadium	ppm	ASTM D5185m	NONE	<1	0	0
		White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE	
CONTAMINATION		Silicon	ppm	ASTM D5185m	>25	11	10	7
		Potassium	ppm	ASTM D5185m	>20	21	4	3
There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.		Fuel	%	ASTM D3524	>3.0	4.3	△ 3.5	▲ 3.9
		Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG	
	Soot %	%	*ASTM D7844	>4	1.3	1	0.7	
	Nitration	Abs/cm	*ASTM D7624	>20	12.2	11.3	9.9	
	Sulfation	Abs/.1mm	*ASTM D7415		24.5	21.9	19.3	
	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	NORML
		Odor	scalar	*Visual	NORML	NORML NEG	NEG	NORML NEG
Emulsified Water scalar *Visual >0.					>0.2	NEG	NEG	NEG
FLUID CONDITION		Sodium	ppm	ASTM D5185m		9	4	4
The PN regult indicates that there is quitable	alkalinity ramaining in the	Boron	ppm	ASTM D5185m	0	1	3	9
The BN result indicates that there is suitable alkalinit oil. Fuel is present in the oil and is lowering the visco longer serviceable as a result of the abnormal and/o	,	Barium	ppm	ASTM D5185m		0	0	0
	,	Molybdenum	ppm	ASTM D5185m	0	61	62	64
		Manganese	ppm	ASTM D5185m		<1	<1	<1
		Magnesium	ppm	ASTM D5185m	0	735	794	826
		Calcium	ppm	ASTM D5185m		1071	1048	1076
		Phosphorus	ppm	ASTM D5185m		787	837	900
		Zinc	ppm	ASTM D5185m		1003	1109	1126
		Sulfur	ppm	ASTM D5185m	0.5	2849	2843	2871
		Oxidation	Abs/.1mm	*ASTM D7414		18.0	16.3	14.8
		Base Number (BN)		ASTM D2896		4.2	4.8	6.1
		Visc @ 100°C	cSt	ASTM D445	14	11.6	<u>12.0</u>	<u>▲</u> 12.2





Certificate L2367

Unique Number: 10981064

Sample No.

: GFL0080699 Lab Number : 06150986

Received **Tested** Diagnosed Test Package: FLEET (Additional Tests: PercentFuel)

: 16 Apr 2024 : 19 Apr 2024

: 19 Apr 2024 - Wes Davis

Multiple Sites Montgomery, AL US 36108

Contact: RICHARD HATFIELD rhatfield@gflenv.com

T:

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: