

# **Mobile Fleet**

#### 6466 6466 Component

#### Diesel Engine Fluid DIESEL ENGINE OIL SAE 10W30 (8 GAL)

## RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### WEAR

All component wear rates are normal.

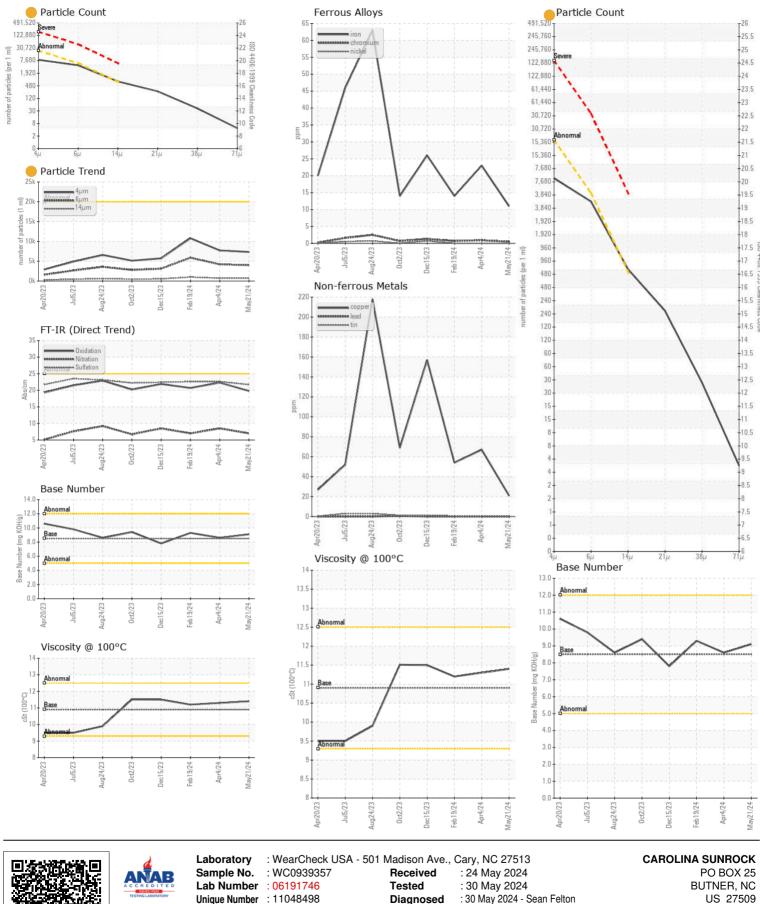
# CONTAMINATION

There is a moderate amount of particulates present in the oil.

#### **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.

	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0939357	WC0918710	WC0902795
	Sample Date		Client Info		21 May 2024	04 Apr 2024	19 Feb 2024
	Machine Age	hrs	Client Info		2159	1887	1639
	Oil Age	hrs	Client Info		272	562	314
	Filter Age	hrs	Client Info		272	562	314
	Oil Changed		Client Info		Changed	Changed	Not Changd
	Filter Changed		Client Info		Changed	Changed	Not Changd
	Sample Status				ATTENTION	ATTENTION	ATTENTION
	Iron	ppm	ASTM D5185m	>65	11	23	14
	Chromium	ppm	ASTM D5185m		<1	<1	<1
	Nickel	ppm	ASTM D5185m	>3	0	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>2	<1	0	<1
	Aluminum	ppm	ASTM D5185m		5	7	6
	Lead	ppm	ASTM D5185m	>10	0	0	0 54
	Copper	ppm		>180	21	67	÷ .
	Tin	ppm	ASTM D5185m	>8	<1 0	<1 0	<1 0
	Vanadium White Metal	ppm	ASTM D5185m	NONE	U NONE	NONE	NONE
	Yellow Metal	scalar scalar	*Visual *Visual	NONE	NONE	NONE	NONE
	renow weta	Scalar	VISUAI	NONE		NONE	NONE
	Silicon	ppm	ASTM D5185m	>15	6	6	6
	Potassium	ppm	ASTM D5185m		7	9	9
	Fuel	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	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	>3	0.2	0.4	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	7.0	8.5	7.0
	Sulfation	Abs/.1mm	*ASTM D7415	>30	21.7	22.6	22.6
	Particles >4µm		ASTM D7647	>20000	7334	7717	10779
	Particles >6µm		ASTM D7647	>5000	3995	4204	5872
	Particles >14µm		ASTM D7647	>640	680	715	999
	Particles >21µm		ASTM D7647		<u> </u>	241	337
	Particles >38µm		ASTM D7647	>40	35	37	52
	Particles >71µm		ASTM D7647		4	4	5
	Oil Cleanliness		ISO 4406 (c)	>21/19/16	<b>e</b> 20/19/17	20/19/17	21/20/17
	Silt	scalar		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 NEG	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
	Sodium	ppm	ASTM D5185m		2	2	2
	Boron	ppm	ASTM D5185m	250	54	43	49
	Barium	ppm	ASTM D5185m	10	0	0	0
	Molybdenum	ppm	ASTM D5185m		49	46	43
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m	450	537	513	492
	Calcium	ppm	ASTM D5185m	3000	1648	1684	1554
	Phosphorus	ppm	ASTM D5185m	1150	774	727	706
	Zinc	ppm	ASTM D5185m	1350	924	895	863
	Sulfur	ppm	ASTM D5185m	4250	2671	2386	2131
	Oxidation	Abs/.1mm	*ASTM D7414	>25	19.8	22.3	20.7
	Base Number (BN)	· ·	ASTM D2896		9.1	8.6	9.3
	Visc @ 100°C	cSt	ASTM D445	10.9	11.4	11.3	11.2



Test Package : CONST ( Additional Tests: PrtCount, TBN ) Contact: Leigh Dennis Certificate L2367 rdennis@thesunrockgroup.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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