

WEAR
CONTAMINATION
FLUID CONDITION

SEVERE

ABNORMAL

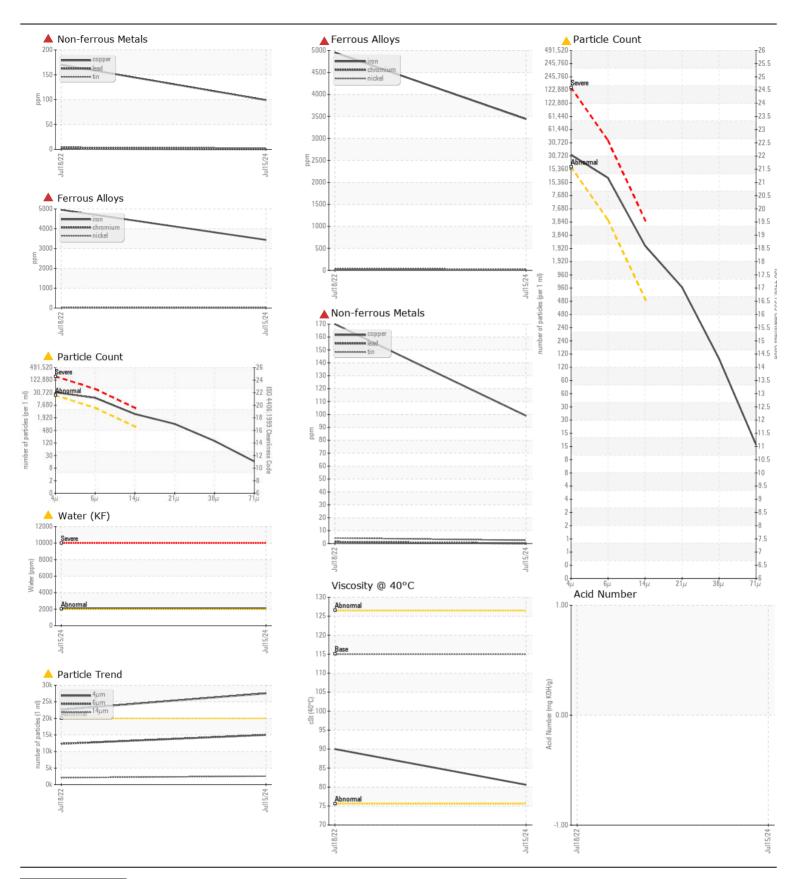
NORMAL



Mobile Fleet
5504 5504
Component

Pump Drive

DIESEL ENGINE OIL SAE 15W4	0 (GAL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.	Sample Number		Client Info		WC0947905		
	Sample Date		Client Info		15 Jul 2024	18 Jul 2022	
	Machine Age	hrs	Client Info		10988	9148	
	Oil Age	hrs	Client Info		1831	2341	
	Filter Age	hrs	Client Info		1831	0	
	Oil Changed		Client Info		Not Changd	Changed	
	Filter Changed		Client Info		Not Changd	Not Changd	
	Sample Status				SEVERE	SEVERE	
WEAR	Iron	ppm	ASTM D5185m	>500	3439	4955	
	Chromium	ppm	ASTM D5185m	>15	<u>^</u> 20	<u>^</u> 28	
Gear wear is indicated. Bearing and/or bushing wear is indicated.	Nickel	ppm	ASTM D5185m	>10	6	8	
	Titanium	ppm	ASTM D5185m		<1	1	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>20	10	21	
	Lead	ppm	ASTM D5185m		0	1	
	Copper	ppm	ASTM D5185m		4 99	1 70	
	Tin	ppm	ASTM D5185m	>4	2	4	
	Vanadium	ppm	ASTM D5185m		2	3	
	White Metal	scalar	*Visual	NONE	NONE	LIGHT	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION There is a high amount of particulates present in the oil. There is a high amount of visible silt present in the sample. High concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil.	Silicon	ppm	ASTM D5185m		54	67	
	Potassium	ppm	ASTM D5185m		5	6	
	Water	%	ASTM D6304		<u> </u>		
	ppm Water	ppm	ASTM D6304		<u>^</u> 2070		
	Particles >4µm		ASTM D7647	>20000	27552	22621	
	Particles >6µm		ASTM D7647		<u> 15009</u>	12323	
	Particles >14µm		ASTM D7647		<u>^</u> 2554	2097	
	Particles >21µm		ASTM D7647		<u>▲</u> 860	<u>^</u> 706	
	Particles >38µm		ASTM D7647		<u>▲</u> 133	<u>109</u>	
	Particles >71µm Oil Cleanliness		ASTM D7647 ISO 4406 (c)	>10	<u> </u>	11 ^ 22/21/18	
	Silt	cooler	*Visual	NONE	△ 22/21/19 △ HEAVY	NONE	
	Debris	scalar scalar	*Visual	NONE	▲ HEAVY	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar		NORML	NORML	NORML	
	Emulsified Water		*Visual	>0.2	0.2%	NEG	
ELUID CONDITION	Cadium		ACTM DE10Em	. 150			
FLUID CONDITION	Sodium	ppm	ASTM D5185m		6	8	
The oil is no longer serviceable due to the presence of contaminants.	Boron	ppm	ASTM D5185m		63	104	
	Barium Molybdenum	ppm	ASTM D5185m ASTM D5185m	100	0 33	<1 12	
	Manganese	ppm	ASTM D5185m	100	26	37	
	Magnesium	ppm	ASTM D5185m	450	575	713	
	Calcium	ppm	ASTM D5185m		1336	1285	
	Phosphorus	ppm	ASTM D5185m		760	705	
	Zinc	ppm	ASTM D5185m		808	696	
	Sulfur	ppm	ASTM D5185m		3490	3729	
	Visc @ 40°C	cSt	ASTM D445		80.6	90.0	







Report Id: CARBUTNC [WUSCAR] 06239025 (Generated: 07/18/2024 18:34:08) Rev: 1

Laboratory Sample No. Lab Number

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

: WC0947905 : 06239025

Received **Tested** Diagnosed

Unique Number: 11127859 Test Package : CONST (Additional Tests: KF, PrtCount)

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

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.

: 18 Jul 2024 : 18 Jul 2024 - Don Baldridge

: 17 Jul 2024

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