

WEAR NORMAL CONTAMINATION ABNORMAL FLUID CONDITION NORMAL



Mobile Fleet 5001 5001

Steering Fluid DIESEL ENGINE OIL SAE 15W40 (13 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.



All component wear rates are normal.

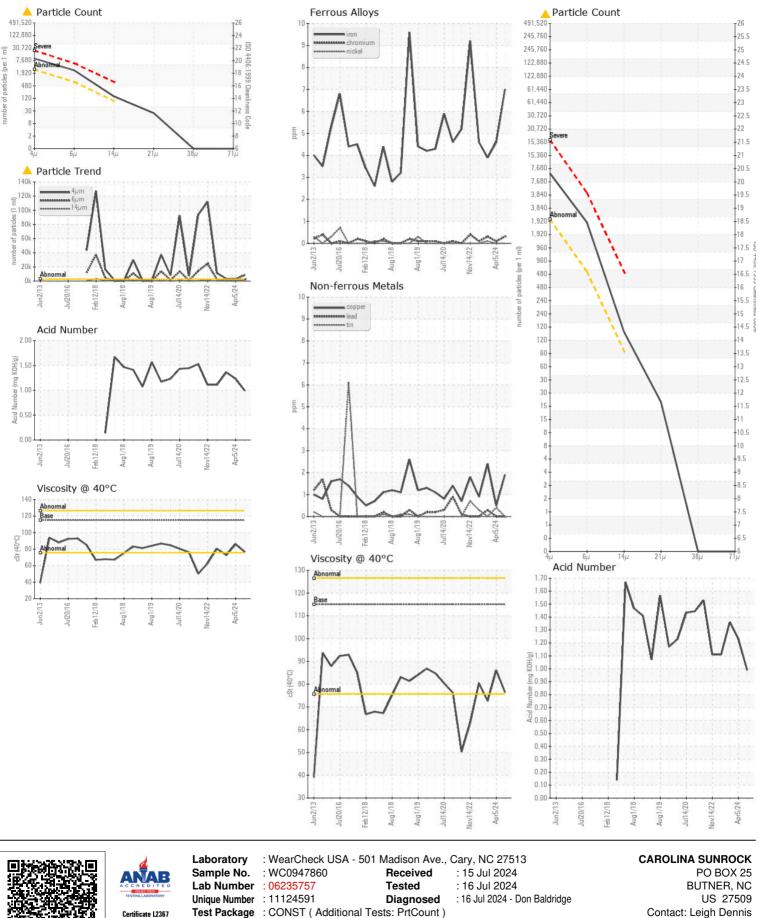
CONTAMINATION

There is a high amount of particulates present in the fluid.

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0947860	WC0918729	WC0867153
Sample Date		Client Info		11 Jul 2024	05 Apr 2024	19 Oct 2023
Machine Age	hrs	Client Info		21151	20693	20016
Oil Age	hrs	Client Info		1162	704	1226
Filter Age	hrs	Client Info		1162	704	1226
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ATTENTION	ATTENTION
				_	~	4
Iron	ppm	ASTM D5185m	>60	7	5	4
Chromium	ppm	ASTM D5185m	>12	<1	<1	<1
Nickel	ppm	ASTM D5185m	>6	0	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	4	<1	0	0
Aluminum	ppm	ASTM D5185m		4	4	5
Lead	ppm	ASTM D5185m	>12	0	0	<1
Copper	ppm	ASTM D5185m	>30	2	<1	2
Tin	ppm	ASTM D5185m		0	<1	0
Vanadium	ppm	ASTM D5185m	NIGNE	<1 NONE	<1	
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>10	12	9	12
Potassium	ppm	ASTM D5185m	>20	2	0	2
Water		WC Method		NEG	NEG	NEG
Particles >4µm		ASTM D7647	>2500	A 8348	2832	3187
Particles >6µm		ASTM D7647	>640	A 2309	398	1059
Particles >14µm		ASTM D7647	>80	🔺 132	25	82
Particles >21µm		ASTM D7647	>20	🔺 21	9	17
Particles >38µm		ASTM D7647	>4	0	2	1
Particles >71µm		ASTM D7647	>3	0	1	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<u> </u>	9/16/12	9/17/14
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		NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>158	0	2	0
Boron	ppm	ASTM D5185m		42	2 58	42
Barium	ppm	ASTM D5185m	10	- - 2 <1	0	10
Molybdenum	ppm	ASTM D5185m	100	47	45	44
Manganese	ppm	ASTM D5185m	100	0	<1	0
Magnesium	ppm	ASTM D5185m	450	487	496	441
Calcium	ppm	ASTM D5185m	3000	1641	1768	1559
Phosphorus	ppm	ASTM D5185m	1150	716	822	790
Zinc	ppm	ASTM D5185m	1350	957	913	947
Sulfur	ppm	ASTM D5185m	4250	2887	3430	3662
Acid Number (AN)	mg KOH/g	ASTM D3103III	1200	0.99	1.23	1.36
Visc @ 40°C	cSt	ASTM D0045 ASTM D445	115	76.4	86.0	72.6
	001	A011010440	115	70.4	00.0	12.0



Test Package : CONST (Additional Tests: PrtCount) Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. rdennis@thesunrockgroup.com * - 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)

Contact/Location: Leigh Dennis - CARBUTNC Page 2 of 2

T: (919)575-4505

F: (919)575-0162