

Mobile Fleet

6420 6420 Component

Diesel Engine Fluid MOBIL DELVAC 1300 SUPER 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.

		_
W	FΔ	R
		11

The aluminum level is abnormal. All other component wear rates are normal.

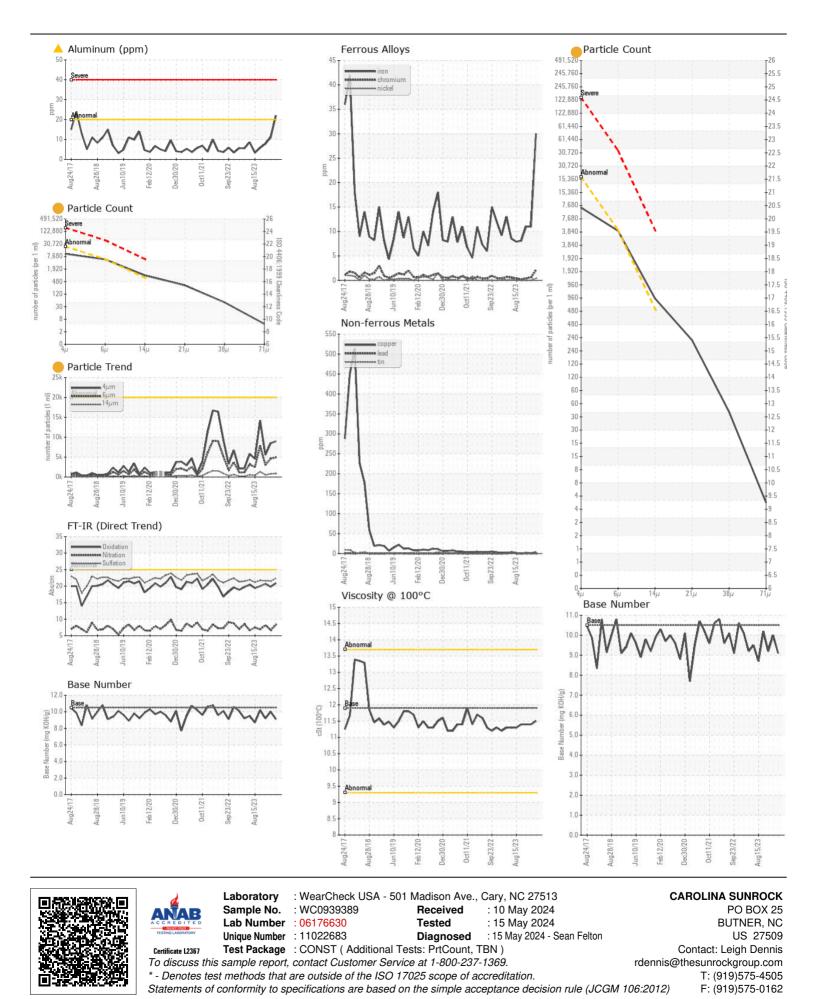
CONTAMINATION

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
	00111	Client Info	LITTIO/ NOT	WC0939389	WC0902931	WC0861892
Sample Number						
Sample Date		Client Info		08 May 2024	08 Mar 2024	12 Jan 2024
Machine Age	hrs	Client Info		14491	14103	13806
Oil Age	hrs	Client Info		680	292	339
Filter Age	hrs	Client Info		680	292	339
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status		Onent into		ABNORMAL	ATTENTION	NORMAL
Campic Otatus					ATTENTION	
Iron	ppm	ASTM D5185m	>100	30	11	11
-		ASTM D5185m	>20	2		<1
Chromium	ppm		-		<1	
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	<u> </u>	11	8
Lead	ppm	ASTM D5185m	>40	<1	0	<1
Copper	ppm	ASTM D5185m	>330	3	1	2
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Sudiai	visual	NONE	NONE	NONE	NUNL
Silicon	ppm	ASTM D5185m	>25	14	10	8
Potassium	ppm	ASTM D5185m	>20	12	7	4
Fuel	ppm	WC Method	>5	<1.0	<1.0	<1.0
					-	<1.0 NEG
Water			>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	NEG
Soot %	%		>3	0.5	0.3	0.4
Nitration	Abs/cm	*ASTM D7624	>20	8.3	6.7	8.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.4	21.5	21.6
Particles >4µm		ASTM D7647	>20000	8978	8482	5559
Particles >6µm		ASTM D7647	>5000	4891	4621	3028
Particles >14µm		ASTM D7647	>640	832	786	515
Particles >21µm		ASTM D7647	>160	280	265	174
Particles >38µm		ASTM D7647	>40	43	41	27
Particles >71µm				4	4	3
Oil Cleanliness		ISO 4406 (c)	>21/19/16	20/19/17	20/19/17	20/19/16
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	>0.2	NEG	NEG	NEG
				_	-	-
Sodium	ppm	ASTM D5185m		3	0	2
Boron	ppm	ASTM D5185m		70	53	37
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		73	45	42
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		770	484	502
Calcium	ppm	ASTM D5185m		2567	1612	1530
Phosphorus	ppm	ASTM D5185m		1208	722	771
Zinc	ppm	ASTM D5185m		1400	898	890
Sulfur	ppm	ASTM D5185m		4168	2573	2416
Oxidation	Abs/.1mm	*ASTM D5165111 *ASTM D7414	>25		19.8	2410
				20.9		
Base Number (BN)			10.5	9.1	10.0	9.2
Visc @ 100°C	cSt	ASTM D445	11.9	11.5	11.4	11.4



Report Id: CARBUTNC [WUSCAR] 06176630 (Generated: 05/15/2024 20:56:28) Rev: 1

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