

Mobile Fleet

6412 6412 Component

Diesel Engine Fluid MOBIL DELVAC 1300 SUPER 10W30 (10 GAL)

RECOMMENDATION

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

WEAR

All component wear rates are normal.

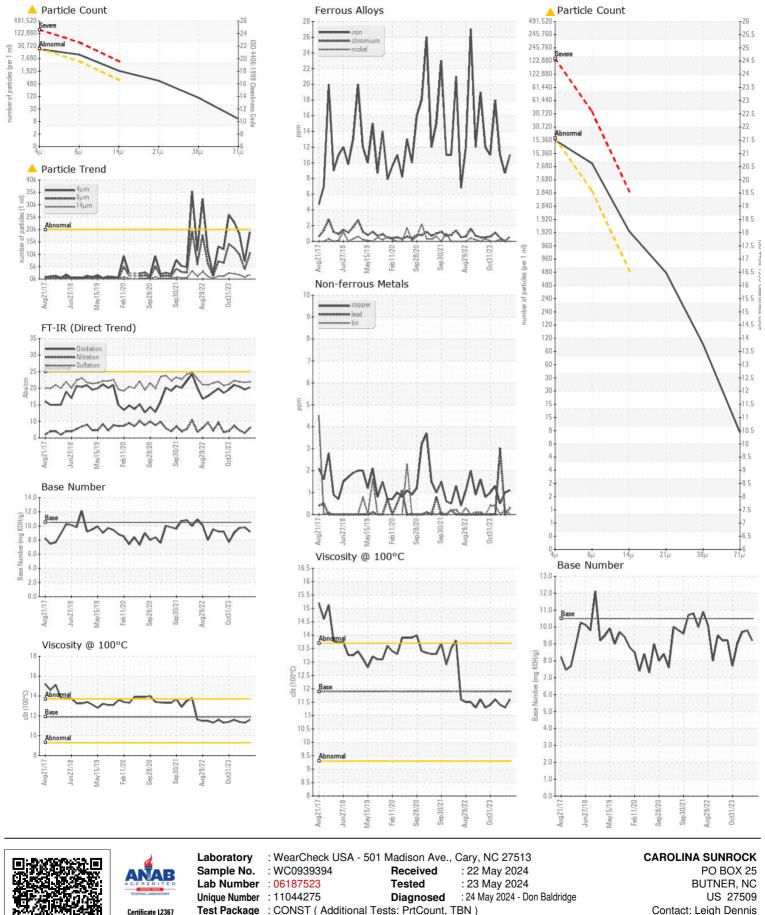
CONTAMINATION

There is a high 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 acceptable for the time in service.

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	Test	UOM	Method	Limit/Abn	Current		History1	History2
	Sample Number		Client Info		WC09393		WC0919121	WC0861795
	Sample Date		Client Info		20 May 20	-	11 Apr 2024	01 Mar 2024
	Machine Age	hrs	Client Info		17572		17318	17083
	U U				255		256	331
	Oil Age	hrs	Client Info				_ • •	
	Filter Age	hrs	Client Info		255		256	331
	Oil Changed		Client Info		Change		Not Changd	Changed
	Filter Changed		Client Info		Change		Not Changd	Changed
	Sample Status				ABNORM	AL	ATTENTION	ABNORMAL
	Iron	ppm	ASTM D5185m	>100	11		9	11
	Chromium	ppm	ASTM D5185m	>20	<1		0	<1
	Nickel	ppm	ASTM D5185m	>4	0		0	<1
	Titanium	ppm	ASTM D5185m		0		<1	0
	Silver	ppm	ASTM D5185m	>3	<1		0	0
	Aluminum	ppm	ASTM D5185m		5		5	6
	Lead	ppm	ASTM D5185m	>40	<1		0	3
	Copper	ppm	ASTM D5185m	>330	1		1	<1
	Tin	ppm	ASTM D5185m	>15	0		<1	0
	Vanadium	ppm	ASTM D5185m		<1		0	0
	White Metal	scalar	*Visual	NONE	NON	E	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NON	E	NONE	NONE
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	Silicon	ppm	ASTM D5185m	>25	8		12	8
	Potassium	ppm	ASTM D5185m	>20	5		3	4
	Fuel		WC Method	>5	<1.0		<1.0	<1.0
	Water		WC Method	>0.2	NEG		NEG	NEG
	Glycol		WC Method		NEG		NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.5		0.3	0.4
	Nitration	Abs/cm	*ASTM D7624	>20	8.0		6.5	7.3
	Sulfation	Abs/.1mm	*ASTM D7415	>30	21.9		21.8	21.9
	Particles >4µm		ASTM D7647	>20000	18887		7168	18208
	Particles >6µm		ASTM D7647	>5000	<b>A</b> 10289	9	3905	9919
	Particles >14µm		ASTM D7647	>640	🔺 1751		665	<u> </u>
	Particles >21µm		ASTM D7647	>160	<b>6</b> 590		224	▲ 569
	Particles >38µm		ASTM D7647	>40	<b>4</b> 91		35	<u> </u>
	Particles >71µm		ASTM D7647	>10	9		4	9
	Oil Cleanliness		ISO 4406 (c)	>21/19/16	<b>A</b> 21/21/	18	20/19/17	🔺 21/20/18
	Silt	scalar	*Visual	NONE	NON	E	NONE	NONE
	Debris	scalar	*Visual	NONE	NON	E	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NON	E	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORM	ΛL	NORML	NORML
	Odor	scalar	*Visual	NORML	NORM	ΛL	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG		NEG	NEG
						· <mark>-</mark>		
	Sodium	ppm	ASTM D5185m		2		4	2
	Boron	ppm	ASTM D5185m		36		64	51
	Barium	ppm	ASTM D5185m		0		0	0
	Molybdenum	ppm	ASTM D5185m		49		46	42
	Manganese	ppm	ASTM D5185m		<1		<1	<1
	Magnesium	ppm	ASTM D5185m		555		506	524
	Calcium	ppm	ASTM D5185m		1906		1680	1745
	Phosphorus	ppm	ASTM D5185m		836		794	832
	Zinc	ppm	ASTM D5185m		1023		929	918
	Sulfur	ppm	ASTM D5185m		3106		3144	2638
	Oxidation	Abs/.1mm	*ASTM D7414	>25	20.3		19.6	20.5
	Base Number (BN)	mg KOH/g	ASTM D2896	10.5	9.2		9.8	9.7
	Visc @ 100°C	cSt	ASTM D445	11.9	11.6	J	11.3	11.4
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Test Package : CONST (Additional Tests: PrtCount, TBN) 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)

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