

Mobile Fleet

8035 8035 Component Diesel Engine

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.

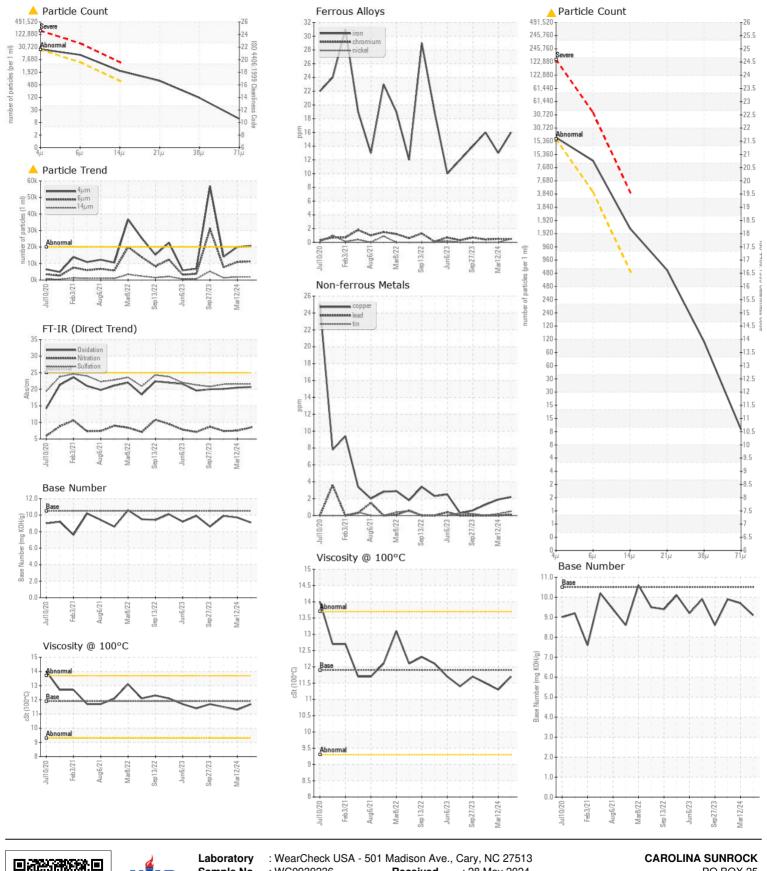
CONTAMINATION

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 suitable for further service.

	Test	UOM	Method	Limit/Abn	C	urrent	History1	History2
	Sample Number	00	Client Info			C0939236	WC0918621	WC0861709
	Sample Date		Client Info			May 2024	12 Mar 2024	01 Dec 2023
	Machine Age	hrs	Client Info			78	5740	5333
	Oil Age	hrs	Client Info		64	-	407	384
	Filter Age	hrs	Client Info		64	5	407	384
	Oil Changed		Client Info		Cł	nanged	Not Changd	Changed
	Filter Changed		Client Info			nanged	Not Changd	Changed
	Sample Status		0			NORMAL	ABNORMAL	ABNORMAL
	Iron	ppm	ASTM D5185m	>100		16	13	16
	-		ASTM D5185m	>20	_	<1	<1	
	Chromium	ppm						<1
	Nickel	ppm	ASTM D5185m	>4		<1	0	0
	Titanium	ppm	ASTM D5185m			0	0	0
	Silver	ppm	ASTM D5185m	>3		0	0	0
	Aluminum	ppm	ASTM D5185m	>20		8	5	7
	Lead	ppm	ASTM D5185m	>40		<1	0	0
	Copper	ppm	ASTM D5185m	>330		2	2	1
	Tin	ppm	ASTM D5185m	>15		<1	<1	0
	Vanadium	ppm	ASTM D5185m			0	0	0
	White Metal	scalar	*Visual	NONE		NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE		NONE	NONE	NONE
		Joular	visual	NONL		NONE	NONE	NONL
	Silicon	ppm	ASTM D5185m	>25		9	9	8
	Potassium		ASTM D5185m	>20		3	0	2
		ppm		>20		3 <1.0	<1.0	<1.0
	Fuel		WC Method					
	Water		WC Method	>0.2		NEG	NEG	NEG
	Glycol		WC Method			NEG	NEG	NEG
	Soot %	%	*ASTM D7844			0.4	0.3	0.4
	Nitration	Abs/cm	*ASTM D7624	>20		8.5	7.5	7.4
	Sulfation	Abs/.1mm	*ASTM D7415	>30		21.6	21.6	21.5
	Particles >4µm		ASTM D7647	>20000		20775	a 20018	14154
	Particles >6µm		ASTM D7647	>5000		11317	▲ 10905	A 7711
	Particles >14µm		ASTM D7647	>640		1926	A 1856	A 1312
	Particles >21µm		ASTM D7647			649	625	442
	Particles >38µm		ASTM D7647	>40			▲ 97	<u> </u>
	Particles >71µm		ASTM D7647			100	10	7
	Oil Cleanliness					-	22/21/18	× 21/20/18
			ISO 4406 (c)	>21/19/16		22/21/18		
	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			4	2	3
	Boron	ppm	ASTM D5185m			49	45	46
	Barium	ppm	ASTM D5185m			0	0	2
	Molybdenum	ppm	ASTM D5185m			51	48	55
	Manganese	ppm	ASTM D5185m			<1	<1	0
	Magnesium	ppm	ASTM D5185m			535	471	480
	Calcium	ppm	ASTM D5185m			1681	1587	1594
	Phosphorus		ASTM D5185m			772	716	722
		ppm					852	
	Zinc	ppm	ASTM D5185m			919		873
	Sulfur	ppm	ASTM D5185m	0.5		2784	2524	2766
	Oxidation	Abs/.1mm	*ASTM D7414	>25		20.7	20.5	20.1
	Base Number (BN)			10.5		9.1	9.7	9.9
	Visc @ 100°C	cSt	ASTM D445	11.9		11.7	11.3	11.5
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Sample No. : WC0939236 PO BOX 25 Received : 28 May 2024 Lab Number : 06193446 BUTNER, NC Tested : 31 May 2024 : 31 May 2024 - Don Baldridge US 27509 Unique Number : 11050198 Diagnosed Test Package : CONST (Additional Tests: PrtCount, TBN) Contact: Leigh Dennis 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. T: (919)575-4505 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (919)575-0162

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