

# Mobile Fleet

#### **3020 3020** Component

# **Diesel Engine**

# MOBIL DELVAC 1300 SUPER15W40 (4 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.

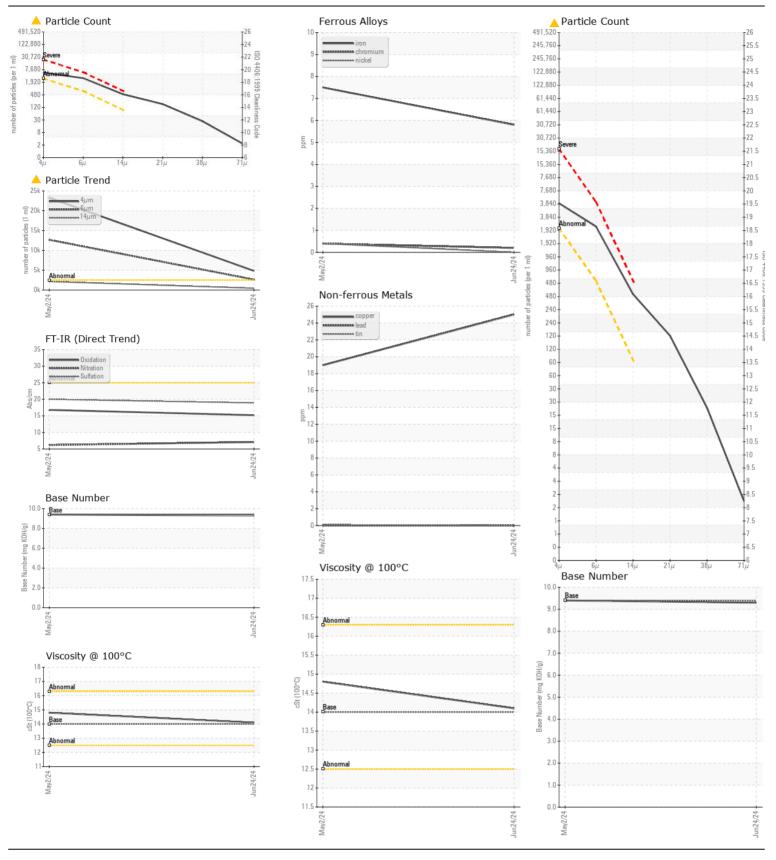
### CONTAMINATION

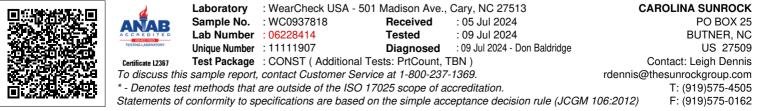
There is a high amount of particulates present in the oil.

#### **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	00111	Client Info	Ennerion		C0937818	WC0937829	
	Sample Date		Client Info			Jun 2024	02 May 2024	
		bro				243	1170	
	Machine Age	hrs	Client Info			.43		
	Oil Age	hrs	Client Info		0		0	
	Filter Age	hrs	Client Info		0		0	
	Oil Changed		Client Info			hanged	Not Changd	
	Filter Changed		Client Info			hanged	Not Changd	
	Sample Status				AE	BNORMAL	ABNORMAL	
	Iron	ppm	ASTM D5185m	>100		6	8	
	Chromium	ppm	ASTM D5185m	>20		<1	<1	
	Nickel	ppm	ASTM D5185m	>2		0	<1	
	Titanium	ppm	ASTM D5185m	>2		<1	<1	
	Silver	ppm	ASTM D5185m	>2		<1	0	
	Aluminum	ppm	ASTM D5185m	>25		<1	2	
	Lead	ppm	ASTM D5185m	>40		0	0	
	Copper	ppm	ASTM D5185m	>330		25	19	
	Tin	ppm	ASTM D5185m	>15		0	<1	
	Vanadium	ppm	ASTM D5185m	210		۰ <1	<1	
	White Metal	scalar	*Visual	NONE		NONE	NONE	
	Yellow Metal		*Visual	NONE		NONE	NONE	
	reliow Metal	scalar	visual	NONE		NONE	INUNE	
	Silicon	nnm	ASTM D5185m	>25		2	5	
		ppm			_		2	
	Potassium	ppm	ASTM D5185m	>20		0		
	Fuel		WC Method	>5		<1.0	<1.0	
	Water		WC Method	>0.2		NEG	NEG	
	Glycol		WC Method			NEG	NEG	
	Soot %	%		>3		0.1	0.2	
	Nitration	Abs/cm	*ASTM D7624	>20		7.1	6.2	
	Sulfation	Abs/.1mm	*ASTM D7415	>30		18.9	20.0	
	Particles >4µm		ASTM D7647	>2500		4828	🔺 23254	
	Particles >6µm		ASTM D7647	>640		2630	<b>12668</b>	
	Particles >14µm		ASTM D7647	>80		448	🔺 2156	
	Particles >21µm		ASTM D7647	>20		151	A 726	
	Particles >38µm		ASTM D7647	>4		23	<b>112</b>	
	Particles >71µm		ASTM D7647	>3		2	<b>1</b> 1	
	Oil Cleanliness		ISO 4406 (c)	>18/16/13		19/19/16	▲ 22/21/18	
	Silt	scalar		NONE		NONE	NONE	
	Debris	scalar	*Visual	NONE		NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE		NONE	NONE	
	Appearance	scalar	*Visual	NORML		NORML	NORML	
	Odor	scalar	*Visual	NORML		NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.2		NEG	NEG	
		Scalai	visual	20.Z				
	Sodium	ppm	ASTM D5185m			4	2	
	Boron	ppm		0		4 16	14	
	Barium		ASTM D5185m	0		0	0	
	Molybdenum	ppm	ASTM D5185m			64	62	
		ppm		0				
	Manganese	ppm	ASTM D5185m	0		<1	<1	
	Magnesium	ppm	ASTM D5185m	0		781	751	
	Calcium	ppm	ASTM D5185m			1366	1187	
	Phosphorus	ppm	ASTM D5185m			950	944	
	Zinc	ppm	ASTM D5185m			1133	1164	
	Sulfur	ppm	ASTM D5185m			3280	3132	
	Oxidation	Abs/.1mm	*ASTM D7414	>25		15.2	16.8	
	Base Number (BN)	mg KOH/g	ASTM D2896	9.4		9.3	9.4	
	Visc @ 100°C	cSt	ASTM D445	14		14.1	14.8	
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