

Machine Id INTERNATIONAL 126057-SWV6610 Component Diesel Engine Fluid MOBIL DELVAC ELITE 15W40 (--- GAL)

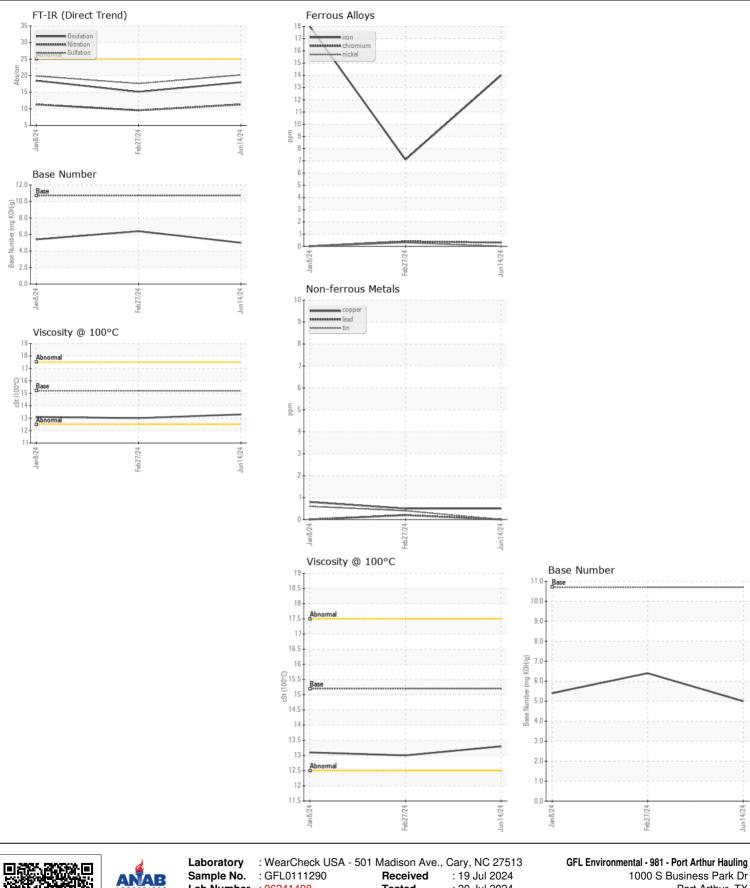
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		GFL0111290	GFL0095460	GFL0095481
	Sample Date		Client Info		14 Jun 2024	27 Feb 2024	08 Jan 2024
	Machine Age	hrs	Client Info		20974	20425	20555
	Oil Age	hrs	Client Info		419	0	500
	Filter Age	hrs	Client Info		0	0	500
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m	>100	14	7	18
	Chromium	ppm	ASTM D5185m	>20	<1	<1	0
	Nickel	ppm	ASTM D5185m	>4	0	<1	0
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	6	6	7
	Lead	ppm	ASTM D5185m	>40	0	<1	0
	Copper	ppm	ASTM D5185m		<1	<1	<1
	Tin	ppm	ASTM D5185m		0	<1	<1
	Vanadium	ppm	ASTM D5185m		0	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon		ASTM D5185m	<u>_</u> 25	5	6	5
	Potassium	ppm ppm	ASTM D5185m		4	4	6
There is no indication of any contamination in the oil.	Fuel	ppiii	WC Method		4 <1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	>0.2	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	. ?	0.3	0.2	0.4
	Nitration	Abs/cm		>20	11.3	9.5	11.3
	Sulfation	Abs/.1mm	*ASTM D7024		20.2	17.6	19.9
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt		*Visual	NONE	NONE	NONE	NONE
		scalar			NORML	NORML	NORML
	Appearance Odor	scalar	*Visual	NORML		NORML	
	Emulsified Water	scalar scalar	*Visual *Visual	NORML >0.2	NORML NEG	NEG	NORML NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		5	1	2
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		40	120	55
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	<1	8
	Molybdenum	ppm	ASTM D5185m		119	136	110
	Manganese	ppm	ASTM D5185m		0	<1	0
	Magnesium	ppm	ASTM D5185m		623	678	628
	Calcium	ppm	ASTM D5185m		1247	1283	1155
	Phosphorus	ppm	ASTM D5185m		709	725	685
	Zinc	ppm	ASTM D5185m		844	853	760
	Sulfur	ppm	ASTM D5185m		3082	3246	2953
	Oxidation	Abs/.1mm	*ASTM D7414	>25	18.0	15.1	18.5
	Base Number (BN)	mg KOH/g	ASTM D2896	10.7	5.0	6.4	5.4
	Mar C 10000	01	AOTH DATE	15.0		10.0	10.1

Visc @ 100°C cSt ASTM D445 15.2

13.1

13.0

13.3



Lab Number : 06241408 Tested Port Arthur, TX : 20 Jul 2024 Unique Number : 11130242 Diagnosed : 20 Jul 2024 - Wes Davis US 77640 Test Package : FLEET Contact: MICHAEL KAY Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. mkay@gflenv.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (336)660-9331 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: