

Machine Id **CUMMINS 8464645** Component **Diesel Engine** Fluid **MOBIL DELVAC ELITE 15W40 (--- GAL)**

RECOMMENDATION

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

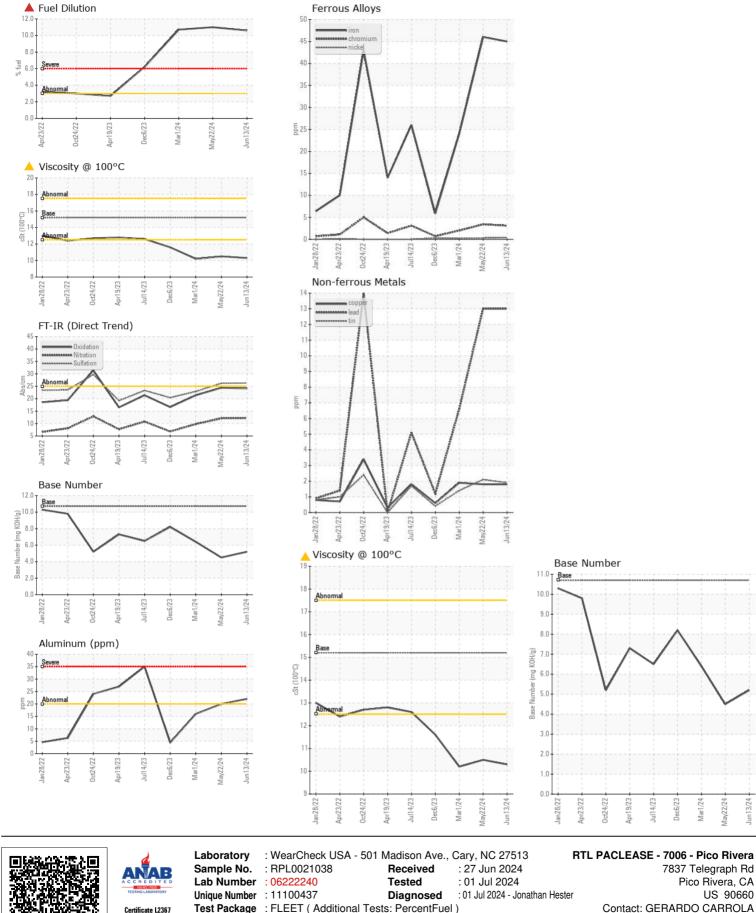
CONTAMINATION

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

FLUID CONDITION

Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0021038	RPL0021062	RPL0017961
Sample Date		Client Info		13 Jun 2024	22 May 2024	01 Mar 2024
Machine Age	mls	Client Info		126098	126087	118437
Oil Age	mls	Client Info		0	0	67569
Filter Age	mls	Client Info		0	0	11638
Oil Changed		Client Info		Changed	Not Changd	Not Change
Filter Changed		Client Info		Changed	Not Changd	Not Change
Sample Status				SEVERE	SEVERE	SEVERE
Iron	ppm	ASTM D5185m	>165	45	46	24
Chromium	ppm	ASTM D5185m	>5	3	3	2
Nickel	ppm	ASTM D5185m	>4	<1	<1	<1
Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	22	20	<u> </u>
Lead	ppm	ASTM D5185m	>150	13	13	7
Copper	ppm	ASTM D5185m	>90	2	2	2
Tin	ppm	ASTM D5185m	>5	2	2	1
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>35	6	6	6
Potassium	ppm	ASTM D5185m	>20	61	61	49
Fuel	%	ASTM D3524	>3.0	10.6	1 1.0	1 0.7
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>7.5	0.7	0.7	0.5
Nitration	Abs/cm	*ASTM D7624	>20	12.2	12.1	9.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.3	26.2	22.9
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		5	<1	<1
Boron	ppm	ASTM D5185m		2	<1	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		59	60	57
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		936	878	866
Calcium	ppm	ASTM D5185m		1079	999	1014
Phosphorus	ppm	ASTM D5185m		1008	929	926
Zinc	ppm	ASTM D5185m		1250	1145	1158
Sulfur	ppm	ASTM D5185m		3230	2910	2959
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.1	24.4	21.4
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	5.2	4.5	6.4
Visc @ 100°C	cSt	ASTM D445	15.2	🔺 10.3 🌙	1 0.5	1 0.2



Certificate 12367 Test Package : FLEET (Additional Tests: PercentFuel) To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

Submitted By: TECHNICIAN ACCOUNT Page 2 of 2

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