

OIL ANALYSIS REPOI

Sample Rating Trend



Machine Id MACK 127081-SWV114 **Diesel Engine**

Fluid MOBIL DELVAC ELITE 15W40 (--- GAL)

Oil Age

SIS REPO	RT					FUEL
- SWV114 15W40 (GAL)		0:0	ioza	Janž024 Maž0	24	
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0111281	GFL0095475	GFL0095445
Sample Date		Client Info		26 Mar 2024	02 Jan 2024	05 Oct 2023
Machine Age	hrs	Client Info		36890	34123	287032
Oil Age	hrs	Client Info		0	500	12000

Oil Changed Sample Status		Client Info		Changed ABNORMAL	Changed ABNORMAL	Changed ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	2	4	2
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m	>2	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	3	2
Lead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m	>330	2	4	2
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2

ADDITIVE3		methou	iiiiii/base	current	TIIStOLAT	TIStory2
Boron	ppm	ASTM D5185m		90	80	65
Barium	ppm	ASTM D5185m		0	0	6
Molybdenum	ppm	ASTM D5185m		128	108	98
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		665	608	600
Calcium	ppm	ASTM D5185m		1248	1105	1109
Phosphorus	ppm	ASTM D5185m		734	651	610
Zinc	ppm	ASTM D5185m		849	713	779
Sulfur	ppm	ASTM D5185m		3356	2775	2807
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	3	2
Sodium	ppm	ASTM D5185m		<1	1	<1
Potassium	ppm	ASTM D5185m	>20	2	2	0
Fuel	%	ASTM D3524	>3.0	4.6	3 .6	3 .7

ruei	70	ASTIVI D5524	>3.0	4.0	_ 3.0	<u> </u>
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	1	0.9	0.7
Nitration	Abs/cm	*ASTM D7624	>20	9.2	8.9	9.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5	18.4	18.6
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.0	14.3	14.8
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	6.6	5.3	6.5

DIAGNOSIS

Recommendation

The oil 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

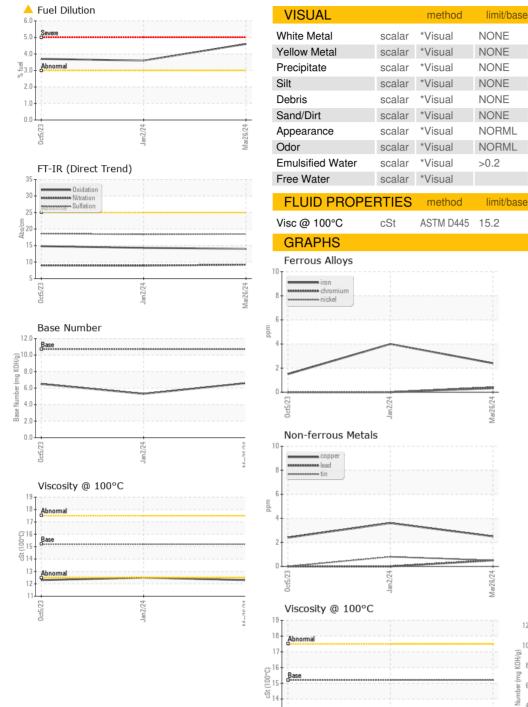
There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.



OIL ANALYSIS REPORT



12 11

Laboratory

Sample No.

Lab Number : 06148331

Unique Number : 10978409

M5/03

: GFL0111281

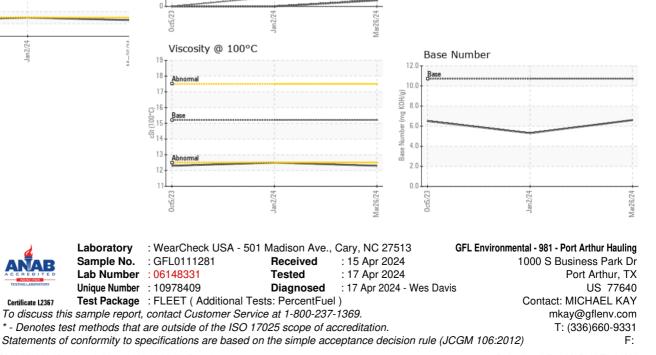
Test Package : FLEET (Additional Tests: PercentFuel)

lan2/24

Received

Diagnosed

Tested



history1

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

history

NEG

NEG

12.5

current

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

curren

NEG

NEG

12.3

history2

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

history

NEG

NEG

12.3

Report Id: GFL981 [WUSCAR] 06148331 (Generated: 04/17/2024 16:37:47) Rev: 1

Certificate 12367

Submitted By: MICHAEL KAY

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