

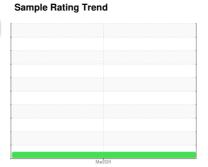
OIL ANALYSIS REPORT



Machine Id MACK 520062-SW7004

Diesel Engine

MOBIL DELVAC ELITE 15W40 (--- GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

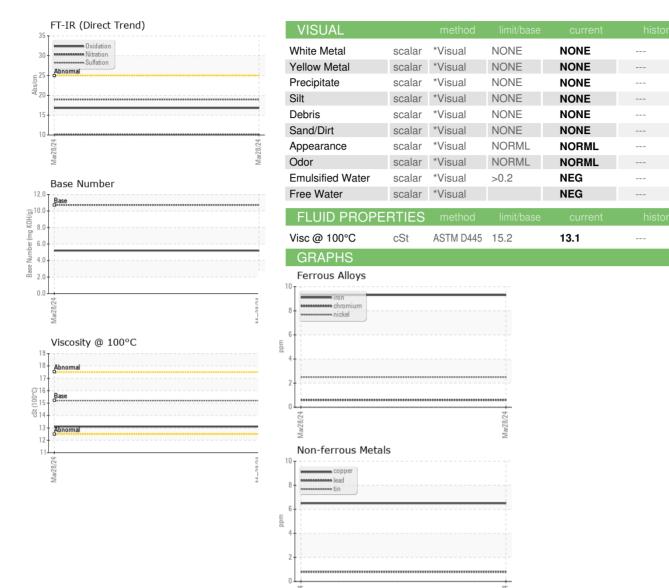
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

15W40 (GA	L)			Mar2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0111256		
Sample Date		Client Info		28 Mar 2024		
Machine Age	hrs	Client Info		5000		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINA	TION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR META	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	9		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>5	2		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>20	5		
Lead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	6		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		74		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		135		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		682		
Calcium	ppm	ASTM D5185m		1326		
Phosphorus	ppm	ASTM D5185m		717		
Zinc	ppm	ASTM D5185m		856		
Sulfur	ppm	ASTM D5185m		3271		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	4		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.2		
Nitration	Abs/cm	*ASTM D7624	>20	10.1		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.9		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.8		
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	5.2		



OIL ANALYSIS REPORT







Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06148305

: GFL0111256 Unique Number : 10978383 Test Package : FLEET

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Viscosity @ 100°C

Received : 15 Apr 2024 **Tested** Diagnosed

: 15 Apr 2024 : 15 Apr 2024 - Wes Davis

0.0

(mg KOH/g)

Base Number

GFL Environmental - 981 - Port Arthur Hauling

1000 S Business Park Dr Port Arthur, TX

US 77640 Contact: MICHAEL KAY 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)

Certificate 12367

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Report Id: GFL981 [WUSCAR] 06148305 (Generated: 04/15/2024 18:35:51) Rev: 1

Submitted By: MICHAEL KAY