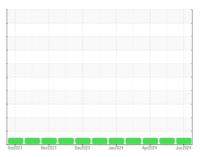


# **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



Machine Id
2109
Component
Diesel Engine

**DIESEL ENGINE OIL SAE 15W40 (--- GAL)** 

#### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil

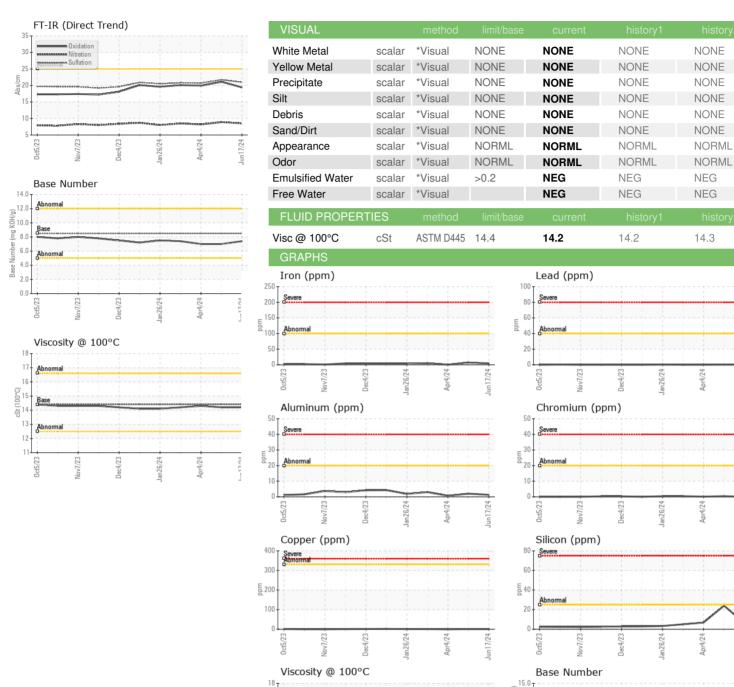
## **Fluid Condition**

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

		Oct2023	Nov2023 Dec2023	Jan 2024 Apr 2024	Jun 2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0946389	WC0897899	WC0897861
Sample Date		Client Info		17 Jun 2024	08 May 2024	04 Apr 2024
Machine Age	mls	Client Info		0	0	0
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	4	7	<1
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	1	2	<1
Lead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m	>330	<1	<1	0
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	1	6	3
Barium	ppm	ASTM D5185m	10	0	2	0
Molybdenum	ppm	ASTM D5185m	100	60	60	58
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	450	1019	889	911
Calcium	ppm	ASTM D5185m	3000	1189	1089	1033
Phosphorus	ppm	ASTM D5185m	1150	1069	1096	989
Zinc	ppm	ASTM D5185m	1350	1377	1209	1182
Sulfur	ppm	ASTM D5185m	4250	3690	4299	3243
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	24	7
Sodium	ppm	ASTM D5185m	>158	3	0	<1
Potassium	ppm	ASTM D5185m	>20	2	3	0
INFRA-RED	0/	method	limit/base	current	history1	history2
Soot %	% Ala a /ausa	*ASTM D7844	>3	0.2	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	8.5	8.9	8.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.0	21.7	20.7
FLUID DEGRADA		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.4	21.1	19.9
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	7.4	7.0	7.0



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

Unique Number : 11097338

: WC0946389 Lab Number : 06219141

:St (100°C)

10

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** 

: 25 Jun 2024 Diagnosed

: 25 Jun 2024 - Wes Davis Test Package: MOB 1 (Additional Tests: TBN)

Jun17/24

: 24 Jun 2024

(mg KOH/g)

0.0

DURHAM, NC US 27701 Contact: Robert Iosiniecki Robert.losiniecki@ratpdev.com

1903 FAYETTEVILLE ST

**GO DURHAM - RAPT** 

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)

Contact/Location: Robert Iosiniecki - GODDUR

T:

F: