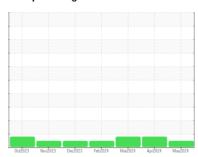


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id
1202
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

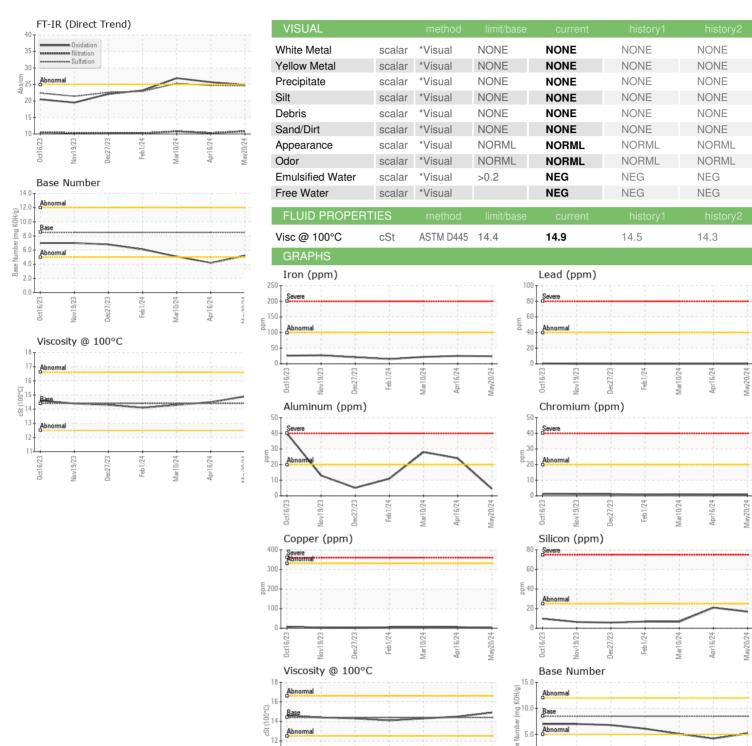
Fluid Condition

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

		0ct2023	Nov2023 Dec2023	Feb 2024 Mar 2024 Apr 2024	May2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0897885	WC0897880	WC0894055
Sample Date		Client Info		20 May 2024	16 Apr 2024	10 Mar 2024
Machine Age	mls	Client Info		0	0	0
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL
CONTAMINATIO	V	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	24	25	22
Chromium	ppm	ASTM D5185m	>20	<1	<1	1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	4	<u>^</u> 24	<u>^</u> 28
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m		1	6	7
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	1	2	<1
Barium	ppm	ASTM D5185m	10	0	0	2
Molybdenum	ppm	ASTM D5185m	100	61	63	63
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	450	1009	1004	936
Calcium	ppm	ASTM D5185m		1170	1170	1154
Phosphorus	ppm	ASTM D5185m	1150	1046	1098	997
Zinc	ppm	ASTM D5185m	1350	1359	1325	1212
Sulfur	ppm	ASTM D5185m	4250	3484	3315	3023
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	17	21	7
Sodium	ppm	ASTM D5185m		12	7	7
Potassium	ppm	ASTM D5185m		7	1	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5	0.5	0.4
Nitration	Abs/cm	*ASTM D7624		10.8	10.3	10.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.6	24.7	25.3
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.9	25.7	26.9
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	5.2	4.2	5.1



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WC0897885 Lab Number : 06208349 Unique Number : 11075810

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 12 Jun 2024 **Tested** : 14 Jun 2024

Diagnosed Test Package : MOB 1 (Additional Tests: TBN)

: 14 Jun 2024 - Wes Davis

0.0

US 27701 Contact: Robert Iosiniecki Robert.losiniecki@ratpdev.com T:

GO DURHAM - RAPT

DURHAM, NC

1903 FAYETTEVILLE ST

* - 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)

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

Report Id: GODDUR [WUSCAR] 06208349 (Generated: 06/14/2024 01:03:50) Rev: 1

Contact/Location: Robert Iosiniecki - GODDUR

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