

# **OIL ANALYSIS REPORT**

[20765]
Machine Id
60-07

Component
Diesel Engine

CONOCO PHILLIPS GUARDOL ECT 15W40 (--- GAL)

# Sample Rating Trend Seption Judgez Decigns



## DIAGNOSIS

# Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

# Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

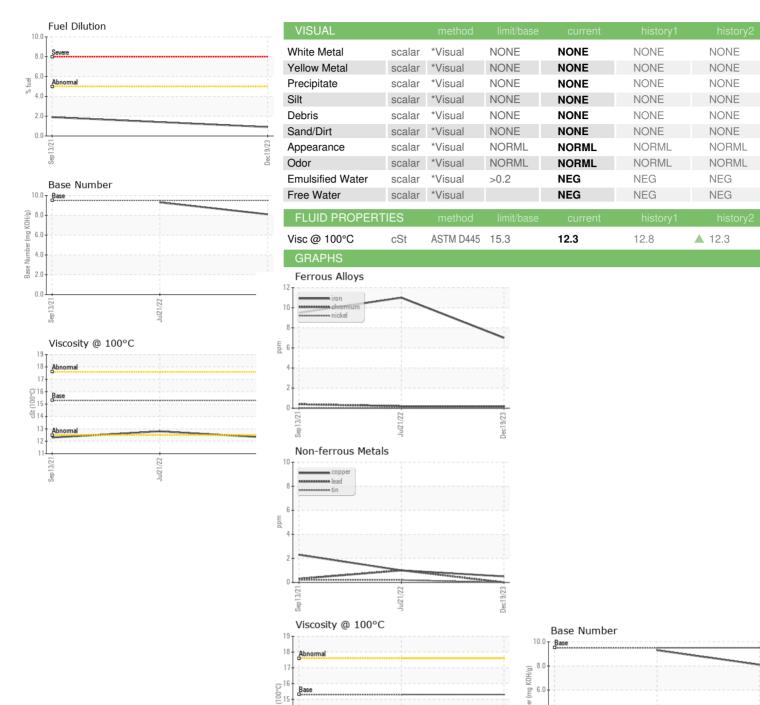
# **Fluid Condition**

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

) ( GAL)		Sep	S <sub>69</sub> 2021 Ju2022 Dec2023			
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0836149	WC0709417	WC0548915
Sample Date		Client Info		19 Dec 2023	21 Jul 2022	13 Sep 2021
Machine Age	hrs	Client Info		7299	6794	6395
Oil Age	hrs	Client Info		305	400	295
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ATTENTION
CONTAMINATIO	N	method	limit/base	current	history1	history2
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	7	11	10
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		<1	8	<1
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	2	2	3
Lead	ppm	ASTM D5185m	>40	0	1	<1
Copper	ppm	ASTM D5185m	>330	<1	1	2
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Antimony	ppm	ASTM D5185m				0
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	85	77	89	69
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		23	18	4
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	350	602	606	684
Calcium	ppm	ASTM D5185m	1800	1556	1555	1484
Phosphorus	ppm	ASTM D5185m	1000	1134	1116	1083
Zinc	ppm	ASTM D5185m	1100	1237	1304	1204
Sulfur	ppm	ASTM D5185m	3500	4316	3813	3362
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	3	3
Sodium	ppm	ASTM D5185m		3	3	5
Potassium	ppm	ASTM D5185m	>20	3	4	3
Fuel	%	ASTM D3524	>5	0.9	<1.0	1.9
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	8.5	8.7	8.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.2	23.2	21.6
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.0	16.3	14.7
Base Number (BN)	mg KOH/g	ASTM D2896	9.5	8.1	9.3	
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Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: 10821746

₹ 14

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0836149 Recieved : 09 Jan 2024 : 06055797 Diagnosed : 12 Jan 2024

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Diagnostician : Wes Davis Test Package : CONST ( Additional Tests: FuelDilution, PercentFuel, TBN )

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Sep1

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

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