

OIL ANALYSIS REPORT

Sample Rating Trend





Component Diesel Engine

Fluid

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a components first oil change.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

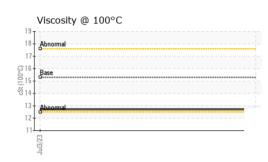
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

IATION	method	limit/base	current	history1	history2
	Client Info		WC0818634		
	Client Info		03 Jul 2023		
hrs	Client Info		450		
hrs	Client Info		450		
	Client Info		Changed		
			NORMAL		
N	method	limit/base	current	history1	history2
	WC Method	>3.0	<1.0		
	WC Method		NEG		
	method	limit/base	current	history1	history2
nnm	ASTM D5185m	<u>_90</u>	6		
			-		
			-		
			_		
		>15			
ppm	ASTM D5185m		U		
	method	limit/base	current	history1	history2
ppm	ASTM D5185m	85	154		
ppm	ASTM D5185m		0		
ppm	ASTM D5185m		8		
ppm	ASTM D5185m		<1		
ppm	ASTM D5185m	350	326		
ppm	ASTM D5185m	1800	1706		
ppm	ASTM D5185m	1000	990		
nnm					
ppm	ASTM D5185m	1100	1172		
ppm	ASTM D5185m ASTM D5185m	1100 3500	1172 3926		
ppm	ASTM D5185m	3500 limit/base	3926		
ppm	ASTM D5185m method	3500 limit/base	3926 current		 history2
ppm ppm	ASTM D5185m method ASTM D5185m	3500 limit/base	3926 current 4	 history1 	 history2
ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m	3500 limit/base >25	3926 current 4 3	 history1 	 history2
ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	3500 limit/base >25 >20	3926 current 4 3 4	 history1 	 history2
ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method	3500 limit/base >25 >20 limit/base	3926 current 4 3 4 current	 history1 history1	history2 history2
ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method *ASTM D7844	3500 limit/base >25 >20 limit/base >6	3926 current 4 3 4 current 0.2	 history1 history1 	history2 history2
ppm ppm ppm ppm % Abs/cm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D7844 *ASTM D7624	3500 limit/base >25 >20 limit/base >6 >20	3926 current 4 3 4 current 0.2 7.0	 history1 history1 	 history2 history2
ppm ppm ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D7844 *ASTM D7624 *ASTM D7415	3500 imit/base >25 >20 imit/base >6 >20 >30	3926 current 4 3 4 current 0.2 7.0 18.8	 history1 history1 	 history2 history2
	hrs hrs hrs hrs hrs d d d d d d d d d d d d d d d d d d d	Client Info Client Info Inrs Client Info Client Info Client Info Client Info Client Info Client Info WC Method WC Method WC Method WC Method WC Method MC ME Method MC ME ME MC ME ME MC ME ME MC MC ME MC MC ME MC MC ME MC ME MC ME MC MC MC ME MC MC ME MC MC M	Client InfoClient InfohrsClient InfohrsClient InfoClient InfoClient InfoClient InfoClient InfoClient InfoClient InfoClient InfoClient InfoWC Method>3.0WC MethodSanoWC MethodSanoWC MethodSanoPpmASTM D5185mPpmASTM	Client Info WC0818634 Client Info 03 Jul 2023 hrs Client Info 450 hrs Client Info 450 Client Info Changed WC Method >3.0 <1.0	Client Info WC0818634 Client Info 03 Jul 2023 hrs Client Info 450 hrs Client Info 450 Client Info 450 Inrs Client Info Changed Client Info NORMAL Inrs Method Sa.0 <1.0



OIL ANALYSIS REPORT

Base Number 10.0 T Base (mg KOH/g) 8 6.0 umber 4.0 Base 2.0 0.0



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.3	12.7		
GRAPHS						
Ferrous Alloys			Jui3/23			
copper 8 - copper 6 - copper 4 - copper						

Base Number

10.0 Base

8 (mg KOH/g)

6 (umber

4 (Base

0.0

ul3/73

lul3/23

: 03 Oct 2023

: 04 Oct 2023



Unique Number : 10674848 Diagnostician : Wes Davis Test Package : CONST (Additional Tests: TBN) Contact: BEN CALDWELL Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. kevin.marson@wearcheck.com * - 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)

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

Received

Diagnosed

Viscosity @ 100°C

19

18 17

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12 11

: WC0818634

: 05968297

Laboratory

Sample No.

Lab Number

Report Id: MANTUL [WUSCAR] 05968297 (Generated: 10/05/2023 04:58:55) Rev: 1

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