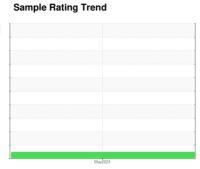


OIL ANALYSIS REPORT

Area [23623] 20-11

Diesel Engine

CONOCO PHILLIPS GUARDOL ECT 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

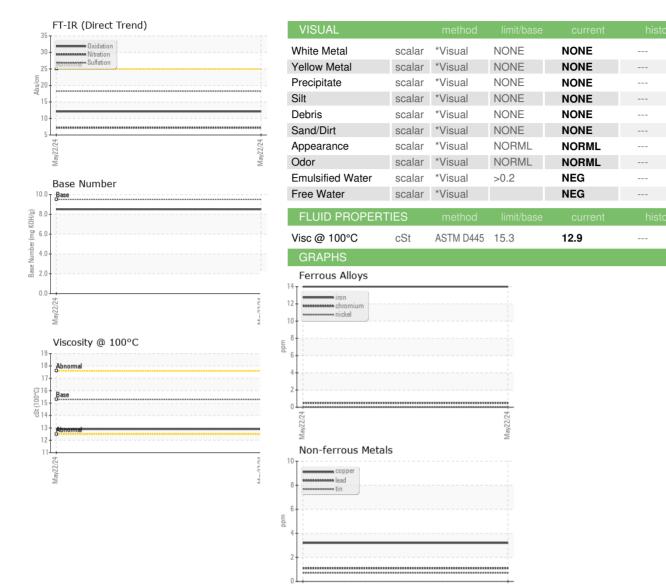
Fluid Condition

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

(GAL)			1	May2024		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0940710		
Sample Date		Client Info		22 May 2024		
Machine Age	hrs	Client Info		9366		
Oil Age	hrs	Client Info		250		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	14		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	2		
Lead	ppm	ASTM D5185m	>40	1		
Copper	ppm	ASTM D5185m	>330	3		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	85	76		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		16		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	350	605		
Calcium	ppm	ASTM D5185m	1800	1601		
Phosphorus	ppm	ASTM D5185m	1000	1114		
Zinc	ppm	ASTM D5185m	1100	1316		
Sulfur	ppm	ASTM D5185m	3500	4548		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	2		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3		
Nitration	Abs/cm	*ASTM D7624	>20	7.2		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.3		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.1		
Base Number (BN)	mg KOH/g	ASTM D2896	9.5	8.5		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WC0940710 Lab Number : 06217899 Unique Number : 11096096

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: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Jun 2024 **Tested**

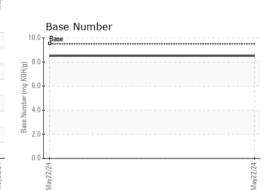
: 25 Jun 2024 Diagnosed : 25 Jun 2024 - Wes Davis

Test Package : CONST (Additional Tests: TBN)

Viscosity @ 100°C

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)





5601 S 122ND E AVE TULSA, OK

US 74146 Contact: BEN CALDWELL

kevin.marson@wearcheck.com T: (918)728-5749