

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **3820016**

Diesel Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

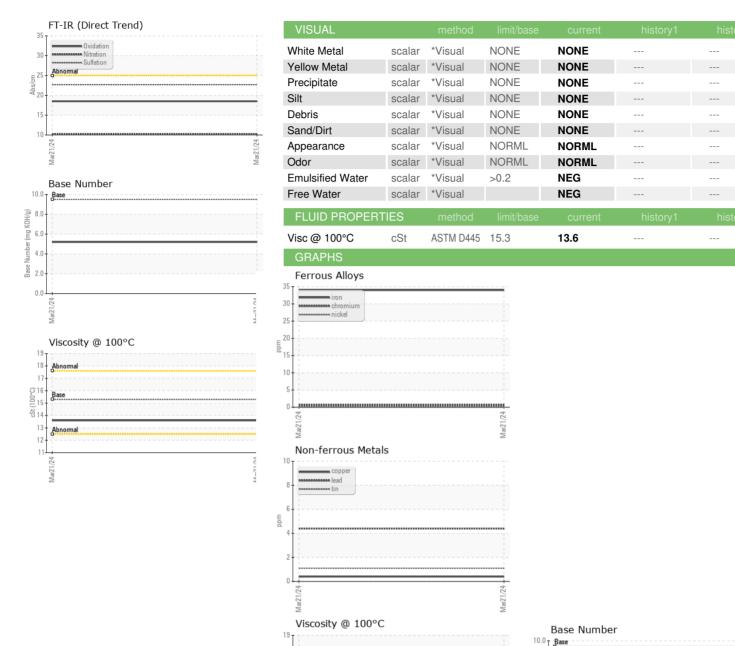
Fluid Condition

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

(GAL)				Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0934357		
Sample Date		Client Info		21 Mar 2024		
Machine Age	hrs	Client Info		3402		
Oil Age	hrs	Client Info		312		
Oil Changed	1110	Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
- -uel		WC Method	>5	<1.0		
Nater		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	34		
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		
ead	ppm	ASTM D5185m	>40	4		
Copper	ppm	ASTM D5185m	>330	<1		
- Tin	ppm	ASTM D5185m	>15	1		
/anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	85	30		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		8		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	350	794		
Calcium	ppm	ASTM D5185m	1800	1451		
Phosphorus	ppm	ASTM D5185m	1000	793		
Zinc	ppm	ASTM D5185m	1100	906		
Sulfur	ppm	ASTM D5185m	3500	3271		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3		
Nitration	Abs/cm	*ASTM D7624	>20	10.2		
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.7		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.5		
Base Number (BN)	mg KOH/g	ASTM D2896	9.5	5.2		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WC0934357 **Lab Number** : 06160142 Unique Number : 10995565

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

Diagnosed

Received

Tested

Test Package : CONST (Additional Tests: TBN) 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.

KELLER NA - LAS VEGAS

6115 BOULDER HWY LAS VEGAS, NV US 89122

Contact: PAT TETREAULT ptetreault@keller-na.com

T: (702)649-4466 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (702)649-4366

Report Id: HAYLAS [WUSCAR] 06160142 (Generated: 04/29/2024 14:53:03) Rev: 1

Contact/Location: PAT TETREAULT - HAYLAS

(mg K0H/g)

Base

: 25 Apr 2024

: 26 Apr 2024

: 26 Apr 2024 - Wes Davis

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