

**OIL ANALYSIS REPORT** 

Area [22111] 50-114

Component Hydraulic System

**CONOCO PHILLIPS GUARDOL ECT 15W40** 

# Sample Rating Trend



## Recommendation

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

## Wear

All component wear rates are normal.

# Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

## **Fluid Condition**

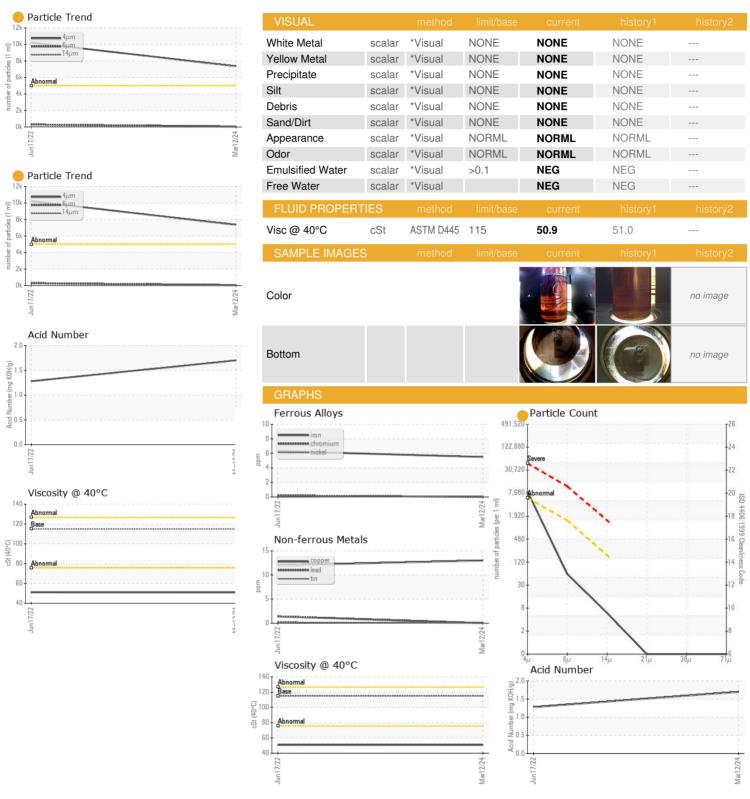
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

( GAL)			Jun 2022	Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0836093	WC0601663	
Sample Date		Client Info		12 Mar 2024	17 Jun 2022	
Machine Age	hrs	Client Info		4173	3619	
Oil Age	hrs	Client Info		2173	619	
Oil Changed		Client Info		Changed	Not Changd	
Sample Status				ATTENTION	ABNORMAL	
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>20	6	6	
Chromium	ppm	ASTM D5185m	>10	0	<1	
Nickel	ppm	ASTM D5185m	>10	<1	0	
Γitanium	ppm	ASTM D5185m		0	<1	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum	ppm	ASTM D5185m	>10	<1	2	
_ead	ppm	ASTM D5185m	>10	0	1	
Copper	ppm	ASTM D5185m	>75	13	12	
rin	ppm	ASTM D5185m	>10	0	<1	
/anadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	85	141	207	
Barium	ppm	ASTM D5185m		<1	0	
Molybdenum	ppm	ASTM D5185m		29	42	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m	350	110	83	
Calcium	ppm	ASTM D5185m	1800	2052	2439	
Phosphorus	ppm	ASTM D5185m	1000	787	831	
Zinc	ppm	ASTM D5185m	1100	906	985	
Sulfur	ppm	ASTM D5185m	3500	4041	4524	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	8	10	
Sodium	ppm	ASTM D5185m		2	2	
Potassium	ppm	ASTM D5185m	>20	<1	0	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>7350</b>	<u></u> 10223	
Particles >6µm		ASTM D7647	>1300	52	300	
Particles >14µm		ASTM D7647	>160	5	33	
Particles >21µm		ASTM D7647	>40	0	5	
Particles >38µm		ASTM D7647	>10	0	1	
•						
Particles >71µm		ASTM D7647	>3	0	1	
•		ASTM D7647 ISO 4406 (c)	>3 >19/17/14	0 20/13/10	1 <b>^</b> 21/15/12	
Particles >71µm Oil Cleanliness FLUID DEGRADA	TION					

1.70



# **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No.

: WC0836093 Lab Number : 06134818 Unique Number: 10954283 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 01 Apr 2024 **Tested** : 03 Apr 2024

Diagnosed

: 03 Apr 2024 - Don Baldridge

MANHATTAN ROAD AND BRIDGE 5601 S 122ND E AVE TULSA, OK

US 74146 Contact: BEN CALDWELL kevin.marson@wearcheck.com

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)

Submitted By: JAMES STEELMON

T: (918)728-5749