

OIL ANALYSIS REPORT

Sample Rating Trend

N

NORMAL





[18573] Machine Id 30-77

Component **Hydraulic System**

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

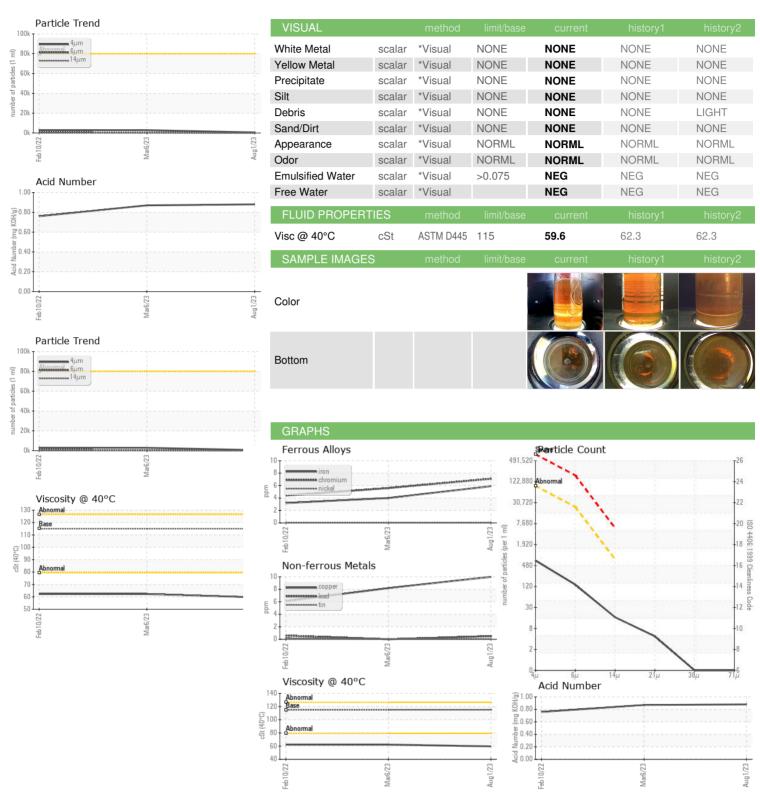
Fluid Condition

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

RDOL ECT 15W40 (-	GAL)	Fei	2022	Mar2023 Aug20	23	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0802439	WC0754823	WC0619422
Sample Date		Client Info		01 Aug 2023	06 Mar 2023	10 Feb 2022
Machine Age	hrs	Client Info		3625	2577	2577
Oil Age	hrs	Client Info		1048	528	500
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>23	6	4	3
Chromium	ppm	ASTM D5185m	>9	7	6	4
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>9	3	2	2
Lead	ppm	ASTM D5185m	>28	<1	0	<1
Copper	ppm	ASTM D5185m	>51	10	8	6
Tin	ppm	ASTM D5185m	>5	0	0	<1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	85	18	16	21
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	350	124	108	128
Calcium	ppm	ASTM D5185m	1800	326	282	327
Phosphorus	ppm	ASTM D5185m	1000	678	609	690
Zinc	ppm	ASTM D5185m	1100	931	772	925
Sulfur	ppm	ASTM D5185m	3500	2227	2025	1836
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>31	6	6	5
Sodium	ppm	ASTM D5185m	>21	0	2	1
Potassium	ppm	ASTM D5185m	>20	2	<1	2
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>80000	583	2906	2991
Particles >6µm		ASTM D7647	>20000	120	555	622
Particles >14µm		ASTM D7647	>640	14	47	55
Particles >21µm		ASTM D7647	>160	4	10	12
Particles >38µm		ASTM D7647	>40	0	0	1
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/21/16	16/14/11	19/16/13	19/16/13
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.88	0.87	0.76



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Certificate L2367

Laboratory

Sample No. Lab Number

Unique Number Test Package : CONST

: WC0802439 : 05928753

: 10608700

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 18 Aug 2023 Diagnosed : 22 Aug 2023

: Don Baldridge Diagnostician

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)

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