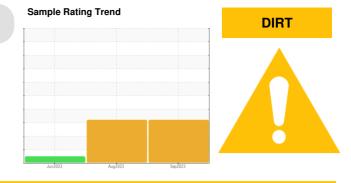
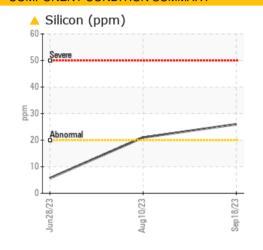


PROBLEM SUMMARY

CATERPILLAR D6 LGP 10039 (S/N KEW01125)

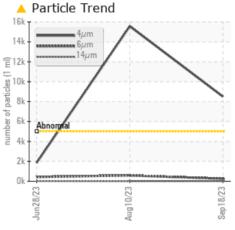


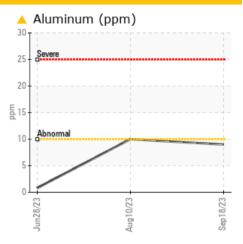
COMPONENT CONDITION SUMMARY



Component

Hydraulic System NOT GIVEN (--- GAL)





RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC T	EST RE	SULTS				
Sample Status				ABNORMAL	ABNORMAL	NORMAL
Aluminum	ppm	ASTM D5185m	>10	<u> </u>	<u> </u>	<1
Silicon	ppm	ASTM D5185m	>20	<u> </u>	A 21	6
Particles >4µm		ASTM D7647	>5000	<u> </u>	1 5568	1856
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/15/11	21/16/10	18/16/12

Customer Id: TRANEW Sample No.: WC0831341 Lab Number: 05965317 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 don.b505@comcast.net

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Check Dirt Access			?	We advise that you check all areas where dirt can enter the system.		

HISTORICAL DIAGNOSIS

10 Aug 2023 Diag: Jonathan Hester



We advise that you check all areas where dirt can enter the system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 6 microns in size) present in the oil. Elemental levels of silicon (Si) and aluminum (AI) indicate alumina-silicate (coarse dirt) ingress. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



28 Jun 2023 Diag: Wes Davis



Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT



Machine Id CATERPILLAR D6 LGP 10039 (S/N KEW01125) Component Hydraulic System

NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check all areas where dirt can enter the system. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

🔺 Wear

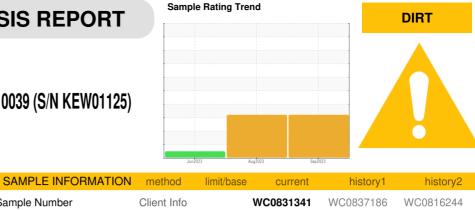
All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Fluid Condition

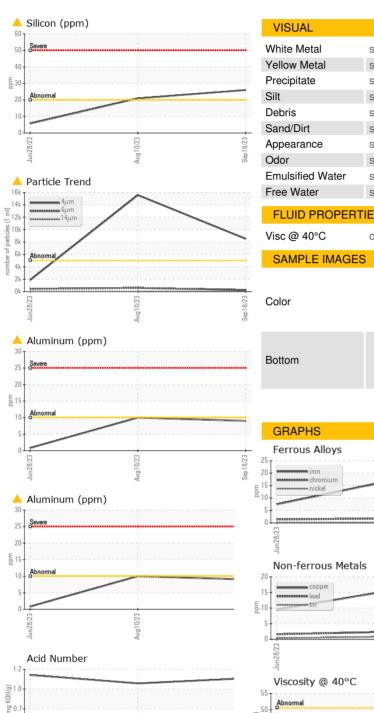
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



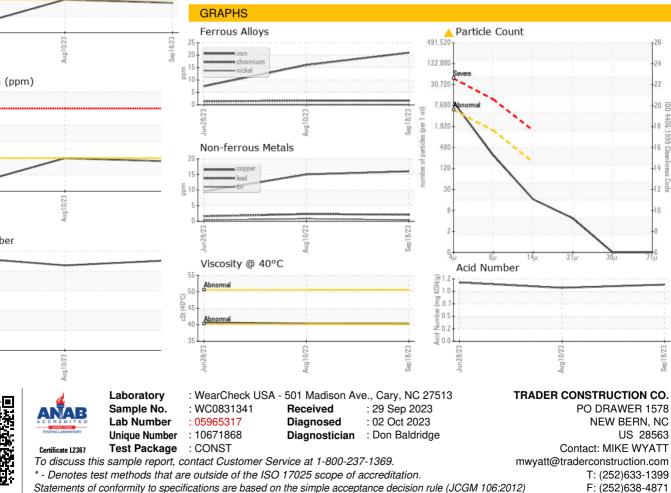
Sample Number		Client Info		WC0831341	WC0837186	WC0816244
Sample Date		Client Info		18 Sep 2023	10 Aug 2023	28 Jun 2023
Machine Age	hrs	Client Info		1701	1207	558
Oil Age	hrs	Client Info		1701	1207	558
Oil Changed	1110	Client Info		Not Changd	Changed	Not Changd
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	21	16	8
Chromium	ppm	ASTM D5185m	>10	2	2	1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	<u> </u>	<u> </u>	<1
Lead	ppm	ASTM D5185m	>10	2	2	2
Copper	ppm	ASTM D5185m	>75	16	15	10
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
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		0	2	0
Barium	ppm	ASTM D5185m		0	1	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		6	4	1
Calcium	ppm	ASTM D5185m		173	177	169
Phosphorus	ppm	ASTM D5185m		673	712	711
Zinc	ppm	ASTM D5185m		904	932	935
Sulfur	ppm	ASTM D5185m		1739	1956	1838
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon		ASTM D5185m	>20	▲ 26	▲ 21	6
Sodium	ppm ppm	ASTM D5185m	>20	1	0	0
Potassium	ppm	ASTM D5185m	>20	י <1	2	<1
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	8511	15568	1856
Particles >6µm		ASTM D7647	>1300	254	586	430
Particles >14µm		ASTM D7647	>160	14	7	23
Particles >21µm		ASTM D7647		4	2	6
Particles >38µm		ASTM D7647 ASTM D7647	>40 >10	4	0	0
Particles >71µm		ASTM D7647 ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>3 >19/17/14	0 <u> 20/15/11</u>	0 ▲ 21/16/10	18/16/12
		()				
FLUID DEGRAD		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.09	1.028	1.13



OIL ANALYSIS REPORT







Ê 0.5

Pio 0.2

0.0

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Contact/Location: MIKE WYATT - TRANEW