

WEAR
CONTAMINATION
FLUID CONDITION

SEVERE

ABNORMAL

NORMAL



CATERPILLAR D4G LGP DZ4424 (S/N TLX00757)

Component Right Final Drive

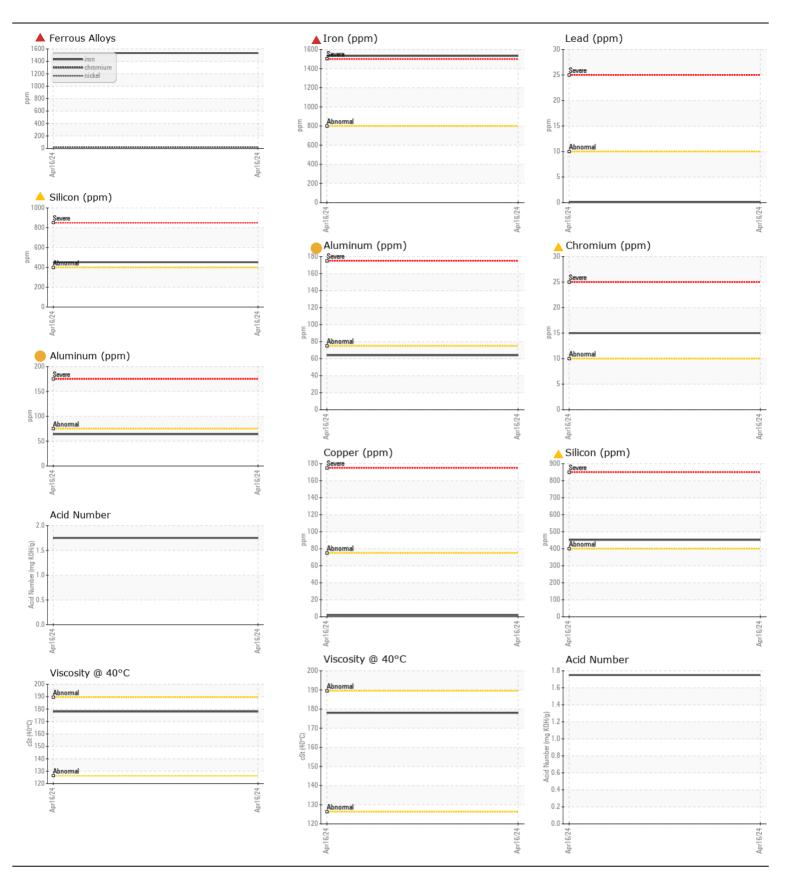
DURALENE Dura-Trans TO-4 5	0 (GAL)						
RECOMMENDATION We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number	OOW	Client Info	LITTIU/ADIT	DC0033650		
	Sample Date		Client Info		16 Apr 2024		
	Machine Age	hrs	Client Info		17008		
	Oil Age	hrs	Client Info		17008		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		N/A		
	Sample Status				SEVERE		
WEAR	Iron	ppm	ASTM D5185m	>800	1533		
Gear wear is indicated.	Chromium	ppm	ASTM D5185m		<u> </u>		
	Nickel	ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m		6		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>75	6 4		
	Lead	ppm	ASTM D5185m	>10	<1		
	Copper	ppm	ASTM D5185m	>75	2		
	Tin	ppm	ASTM D5185m	>8	<1		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>400	▲ 452		
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.	Potassium	ppm	ASTM D5185m		18		
	Water	PP	WC Method		NEG		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		12		
The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.	Boron	ppm	ASTM D5185m		5		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		7		
	Manganese	ppm	ASTM D5185m		14		
	Magnesium	ppm	ASTM D5185m		75		
	Calcium	ppm	ASTM D5185m		2964		
	Phosphorus	ppm	ASTM D5185m		1063		
	Zinc	ppm	ASTM D5185m		1217		
	Sulfur	ppm	ASTM D5185m		14074		
	Acid Number (AN)	mg KOH/g	ASTM D8045		1.75		

Visc @ 40°C cSt

ASTM D445

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Submitted By: DONALD FOX





Certificate L2367

Laboratory Sample No.

Lab Number : 06152642 Unique Number: 10982720 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : DC0033650

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received **Tested**

: 17 Apr 2024 : 18 Apr 2024 Diagnosed

: 22 Apr 2024 - Don Baldridge

2100 SLADE LANE FOREST HILL, MD US 21050 Contact: DONALD FOX

COMER CONSTRUCTION

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* - 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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