OIL ANALYSIS REPORT

WEAR CONTAMINATION FLUID CONDITION **ATTENTION ABNORMAL NORMAL**

Machine Id

CATERPILLAR 325 DFM 12-09 (S/N 201699)

Left Drive

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		TR06196004		
	Sample Date		Client Info		03 May 2024		
	Machine Age	hrs	Client Info		13149		
	Oil Age	hrs	Client Info		6234		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		N/A		
	Sample Status				ABNORMAL		
WEAR	Iron	nnm	ASTM D5185m	<u> 500</u>	264		
WLAN	Chromium	ppm	ASTM D5185m		3		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m	/5	4		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>10	<u>24</u>		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m		4		
	Tin	ppm	ASTM D5185m		0		
	Vanadium	ppm	ASTM D5185m	70	<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress.	Silicon	ppm	ASTM D5185m		<u>^</u> 60		
	Potassium	ppm	ASTM D5185m		2		
	Water		WC Method		NEG		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance Odor	scalar	*Visual	NORML NORML	NORML NORML		
	Emulsified Water	scalar scalar	*Visual	>0.2	NEG		
		Scalai	visuai	<i>></i> 0.2			
FLUID CONDITION	Sodium	ppm	ASTM D5185m		4		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		0		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		<1		
	Manganese	ppm	ASTM D5185m		2		
	Magnesium	ppm	ASTM D5185m		15		
	Calcium	ppm	ASTM D5185m		2935		
	Phosphorus	ppm	ASTM D5185m		1033		
	Zinc	ppm	ASTM D5185m		1275		
	Sulfur	ppm	ASTM D5185m		9791		
	Acid Number (AN)	mg KOH/g	ASTM D8045		2.14		
	Visc @ 40°C	cSt	ASTM D445		189		

Visc @ 100°C cSt

Viscosity Index (VI) Scale ASTM D2270

ASTM D445

16.4 89





Unique Number : 11058127

Laboratory Sample No.

: TR06196004 Lab Number : 06196004

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

Diagnosed Test Package : MOB 2 (Additional Tests: KV100, VI)

: 30 May 2024 : 02 Jun 2024

: 02 Jun 2024 - Don Baldridge

KASKI LOGGING 22411 HE CEDAR CREEK RD

AMBOY, WA US 98601

Contact: NATHAN BYRD

Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-827-0711.

* - 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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