WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL ATTENTION

OIL ANALYSIS REPORT

Machine Id

CATERPILLAR 558LL 10-18 (S/N F5L00339) Component Swing Drive

CAT TRANS AND DRIVE TRAIN OIL 50 SAE (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		TR06196006		
	Sample Date		Client Info		18 Apr 2024		
	Machine Age	hrs	Client Info		2036		
	Oil Age	hrs	Client Info		2036		
	Filter Age	hrs	Client Info		2036		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Not Changd		
	Sample Status				ATTENTION		
WEAR	Iron	ppm	ASTM D5185m	>400	79		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1		
	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>25	1		
	Lead	ppm	ASTM D5185m	>50	0		
	Copper	ppm	ASTM D5185m	>200	<1		
	Tin	ppm	ASTM D5185m	>10	0		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon		ACTM DE10Em	. 50	0		
CONTAMINATION		ppm	ASTM D5185m ASTM D5185m		9		
There is no indication of any contamination in the oil.	Potassium Water	ppm	WC Method	>0.2	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		
THUD CONDITION	O - di		AOTM DEADE				
FLUID CONDITION	Sodium Boron	ppm	ASTM D5185m ASTM D5185m		2		
The oil viscosity is lower than normal. The AN level is acceptable for this fluid.	Barium	ppm	ASTM D5185m		7		
	Molybdenum	ppm	ASTM D5185m		, <1		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		19		
	Calcium	ppm	ASTM D5185m		3093		
	Phosphorus	ppm	ASTM D5185m		1043		
	Zinc	ppm	ASTM D5185m		1311		
	Sulfur	ppm	ASTM D5185m		6928		
	Acid Number (AN)	mg KOH/g	ASTM D8045		2.49		
	Visc @ 40°C	cSt	ASTM D445		103		
		0.			44.4		
	Visc @ 100°C	cSt	ASTM D445		11.4		







Laboratory Sample No. Unique Number : 11058129

Lab Number : 06196006

: TR06196006

: 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

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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F: