OIL ANALYSIS REPORT

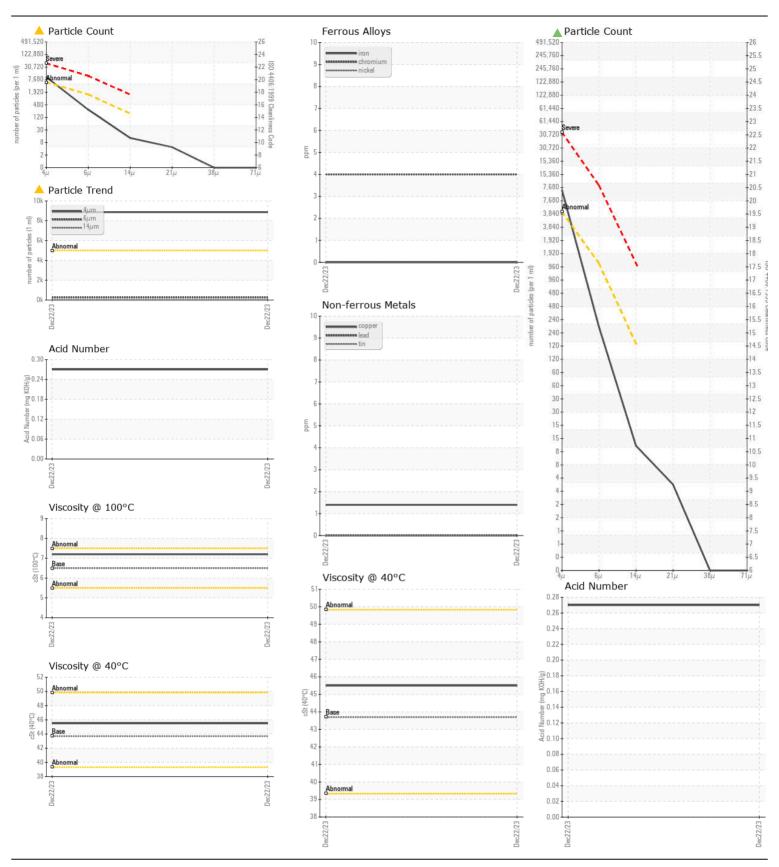
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL ATTENTION NORMAL

CATERPILLAR 966H 966H-L05 A6D02689

Component Hydraulic System

RECOMMENDATION.	Toot	11044	Motherd	Limit/Ala.	Cumant	I liete4	Hotor
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		TR06065591		
	Sample Date	bro	Client Info		22 Dec 2023		
	Machine Age Oil Age	hrs	Client Info		17268 1266		
		hrs			1266		
	Filter Age	hrs	Client Info				
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Changed ATTENTION		
	Sample Status				ATTENTION		
WEAR	Iron	ppm	ASTM D5185m	>20	0		
	Chromium	ppm	ASTM D5185m		4		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m	>10	0		
	Silver	ppm	ASTM D5105m		0		
	Aluminum	ppm	ASTM D5185m	\10	0		
	Lead		ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		1		
	Tin	ppm	ASTM D5185m		0		
	Vanadium	ppm	ASTM D5185m	>10	0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
	Tellow Metal	Scalai	Visuai	INOINE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	1		
CONTAMINATION	Potassium	ppm	ASTM D5185m		0		
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.	Water	ppiii	WC Method	>0.1	NEG		
	Particles >4µm		ASTM D7647		▲ 8867		
	Particles >6µm		ASTM D7647		247		
	Particles >14μm		ASTM D7647		11		
	Particles >21μm		ASTM D7647		4		
	Particles >38µm		ASTM D7647		0		
	Particles >71μm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)		2 0/15/11		
	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		*Visual	>0.1	NEG		
	Liliuisilled Water	Scalai	Visuai	<i>></i> 0.1	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0		
	Boron	ppm	ASTM D5185m		0		
The AN level is acceptable for this fluid. The condition of the oil is	Barium	ppm	ASTM D5185m		0		
suitable for further service.	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		12		
	Calcium	ppm	ASTM D5185m		68		
	Phosphorus	ppm	ASTM D5185m		331		
	Zinc	ppm	ASTM D5185m		412		
	Sulfur	ppm	ASTM D5185m		758		
			ASTM D3163111		0.27		
	Acid Number (AN)						
	Acid Number (AN)	0 0		12.7			
	Acid Number (AN) Visc @ 40°C Visc @ 100°C	mg KOH/g cSt cSt	ASTM D445 ASTM D445		45.5 7.2		





Certificate L2367

Laboratory Sample No. **Unique Number**

Lab Number

: TR06065591 : 06065591 : 10836973

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 19 Jan 2024 Diagnosed : 22 Jan 2024 Diagnostician : Don Baldridge

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

BARR-TECH COMPOSTING 9117 KALLENBERGER RD N

SPRAGUE, WA US 99032 Contact: RON GROGAN

T: (509)590-0437

F: