OIL ANALYSIS REPORT

WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

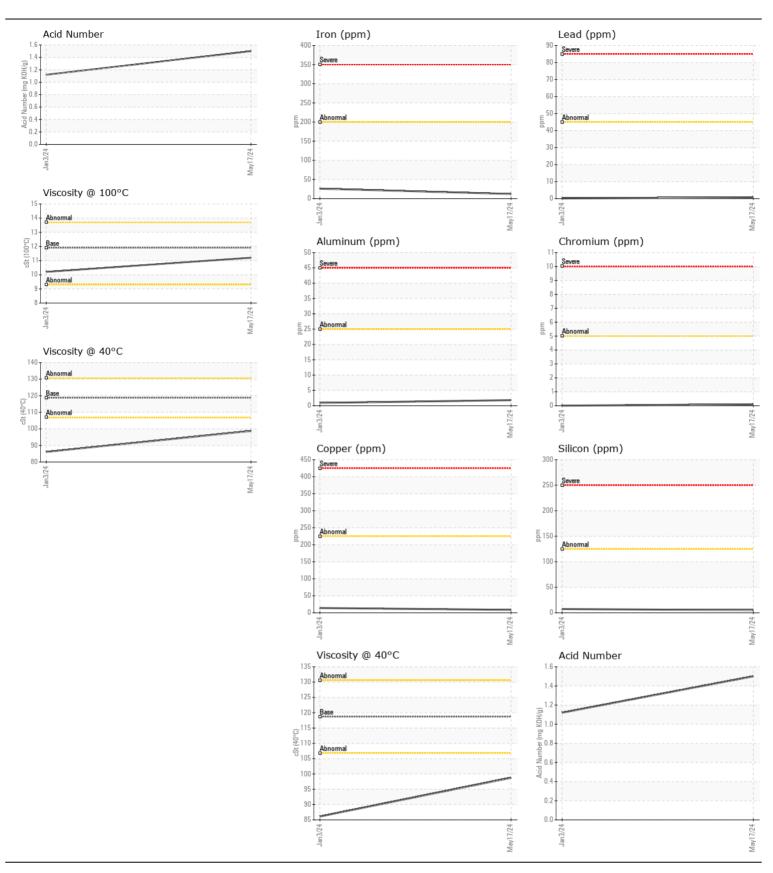
Machine Id

CATERPILLAR 966H 966H-L06 A6D00520

Transmission (Manual)

TRC PRO-TAC IV 30 SAE 30W (--- GAL)

TRC PRO-TAC IV 30 SAE 30W (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06189759	TR06065824	
	Sample Date		Client Info		17 May 2024	03 Jan 2024	
	Machine Age	hrs	Client Info		27087	26592	
	Oil Age	hrs	Client Info		495	1683	
	Filter Age	hrs	Client Info		495	1683	
	Oil Changed		Client Info		Not Changd	Changed	
	Filter Changed		Client Info		Not Changd	Changed	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	>200	12	26	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>5	<1	0	
	Nickel	ppm	ASTM D5185m	>5	0	0	
	Titanium	ppm	ASTM D5185m		<1	0	
	Silver	ppm	ASTM D5185m	>7	0	0	
	Aluminum	ppm	ASTM D5185m	>25	2	<1	
	Lead	ppm	ASTM D5185m	>45	<1	<1	
	Copper	ppm	ASTM D5185m	>225	9	14	
	Tin	ppm	ASTM D5185m	>10	<1	<1	
	Vanadium	ppm	ASTM D5185m		0	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	\125	5	7	
SONTAMINATION	Potassium	ppm	ASTM D5185m		2	0	
There is no indication of any contamination in the fluid.	Water	ppiii	WC Method	>0.1	NEG	NEG	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1	4	
	Boron	ppm	ASTM D5185m		0	2	
The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.	Barium	ppm	ASTM D5185m		2	4	
	Molybdenum	ppm	ASTM D5185m		<1	1	
	Manganese	ppm	ASTM D5185m		<1	1	
	Magnesium	ppm	ASTM D5185m		12	22	
	Calcium	ppm	ASTM D5185m	3100	2984	2917	
	Phosphorus	ppm	ASTM D5185m	1100	1104	1054	
	Zinc	ppm	ASTM D5185m	1200	1247	1283	
	Sulfur	ppm	ASTM D5185m		6554	5737	
	Acid Number (AN)	mg KOH/g	ASTM D8045		1.50	1.12	
	Visc @ 40°C	cSt	ASTM D445	118.7	98.73	86.1	
	Visc @ 100°C	cSt	ASTM D445		11.2	10.2	
	Viscosity Index (VI)	Scale	ASTM D2270	96.6	98	98	





Laboratory Sample No.

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

Lab Number : 06189759 Unique Number : 11046511 Test Package : MOB 2 (Additional Tests: KV100, VI)

: TR06189759 Received

Tested Diagnosed

: 23 May 2024 : 31 May 2024

: 31 May 2024 - Wes Davis

SPRAGUE, WA US 99032

Contact: RON GROGAN

BARR-TECH COMPOSTING

9117 KALLENBERGER RD N

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)

F:

Contact/Location: RON GROGAN - BARSPRWA

T: (509)590-0437