

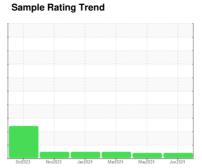
OIL ANALYSIS REPORT



MINING ME-66 CATERPILLAR 980M MK700460

Front Differential

CAT TDTO 30W (--- GAL)





Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

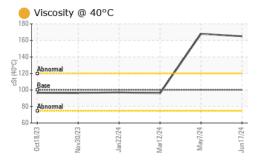
The oil viscosity is higher than normal. The condition of the oil is acceptable for the time in

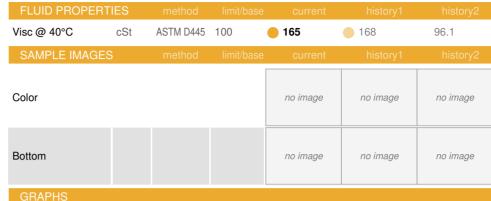
1 _)						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0950848	WC0910921	WC0909665
Sample Date		Client Info		17 Jun 2024	07 May 2024	12 Mar 2024
Machine Age	hrs	Client Info		6540	6064	5546
Oil Age	hrs	Client Info		1000	500	2000
Oil Changed		Client Info		N/A	Not Changd	Changed
Sample Status				ATTENTION	ATTENTION	NORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	60	41	96
Chromium	ppm	ASTM D5185m		0	<1	1
Nickel	ppm	ASTM D5185m	>3	0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver		ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m		2	<1	3
	ppm			_		
Lead	ppm	ASTM D5185m	>13	0 6	0	0
Copper	ppm	ASTM D5185m		-		12
Tin	ppm	ASTM D5185m	>5	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		5	3	6
Barium	ppm	ASTM D5185m		0	1	0
Molybdenum	ppm	ASTM D5185m		<1	0	2
Manganese	ppm	ASTM D5185m		1	<1	1
Magnesium	ppm	ASTM D5185m		28	28	22
Calcium	ppm	ASTM D5185m	2980	3038	2971	2774
Phosphorus	ppm	ASTM D5185m	1100	1106	1091	960
Zinc	ppm	ASTM D5185m	1270	1314	1239	1184
Sulfur	ppm	ASTM D5185m		8970	8316	7227
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	8	6	8
Sodium	ppm	ASTM D5185m		2	<1	0
Potassium	ppm	ASTM D5185m	>20	1	0	2
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

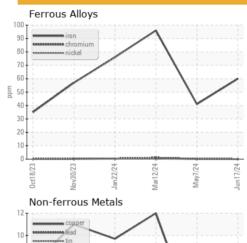
Contact/Location: TRACY KEE - COVCAMTN

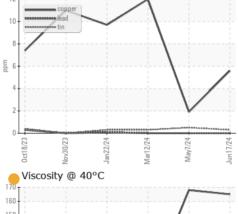


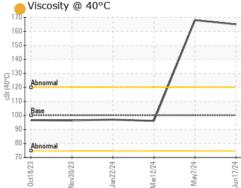
OIL ANALYSIS REPORT













Certificate 12367

Sample No. : WC0950848 Lab Number : 06218660

Unique Number : 11096857 Test Package : CONST

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

Diagnosed

: 25 Jun 2024

: 26 Jun 2024 - Sean Felton

: 24 Jun 2024

COVIA - CAMDEN - 094 1700 SAND MILL RD

CAMDEN, TN US 38320

Contact: TRACY KEE tracy.kee@coviacorp.com

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

Report Id: COVCAMTN [WUSCAR] 06218660 (Generated: 06/29/2024 19:46:53) Rev: 1

Contact/Location: TRACY KEE - COVCAMTN

T:

F: