

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id Machine Id ME-61 CATERPILLAR 980M MK700210 Front Differential

CAT TDTO SAE 50 (22 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

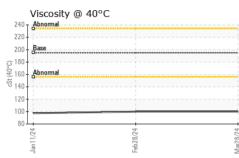
Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0909688	WC0909675	WC0880666
Sample Date		Client Info		28 Mar 2024	28 Feb 2024	11 Jan 2024
Machine Age	hrs	Client Info		11312	10782	10185
Oil Age	hrs	Client Info		1000	500	2000
Oil Changed		Client Info		N/A	Not Changd	Changed
Sample Status				NORMAL	NORMAL	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	57	34	71
Chromium	ppm	ASTM D5185m	>3	<1	<1	0
Nickel	ppm	ASTM D5185m	>3	<1	<1	<1
Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>30	6	5	4
Lead	ppm	ASTM D5185m	>13	<1	<1	0
Copper	ppm	ASTM D5185m	>103	5	3	8
Tin	ppm	ASTM D5185m	>5	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2	<1	<1
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		2	2	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		22	23	25
Calcium	ppm	ASTM D5185m	2980	3078	3049	2617
Phosphorus	ppm	ASTM D5185m	1100	1034	1089	872
Zinc	ppm	ASTM D5185m	1270	1235	1296	1098
Sulfur	ppm	ASTM D5185m		6750	7654	5085
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm		>100	18	16	11
Sodium	ppm	ASTM D5185m		<1	<1	3
Potassium	ppm	ASTM D5185m	>20	2	2	<1
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	LIGHT
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
2:36:56) Rev: 1				Contact/Locat	ion: TRACY KE	E - COVCAMTN



OIL ANALYSIS REPORT



IES meth	nod limit/	base current	history1	history2
cSt ASTM	D445 195	100	100	97.5
meth	nod limit/	base current	history1	history2
		no image	no image	no image
		no image	no image	no image
eb28/24	ar28/24			
ш. 3	2			
5	10000000000000000000000000000000000000			
Feb 28/2	Mar28/2			
Feb28/2	Mar28/2			
Madison Ave., Received				CAMDEN - 09 SAND MILL R
Tested Diagnosed	: 05 Apr 20)24 24 - Wes Davis		CAMDEN, T US 3832
	CSt ASTM meth	CSt ASTM D445 195	CSt ASTM D445 195 100 method imit/base current no image no image u u u u	cSt ASTM D445 195 100 100 method imit/base current history1 no image no image no image no image no image no image u 000 000 u 000 000

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)

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